

## Rate Contract

Government of India  
Directorate General of Supplies & Disposals  
Jeevan Tara Building, 5 Sansad Marg  
New Delhi-110001  
Tel Number 23360610/23360537

Rate Contract no. L.I.UPS/IT-4/RC-D3010000/0711/84/03517/1500  
Dated 14-FEB-11

To,

VSM ENTERPRISES PRIVATE LIMITED  
21/1381 1st Floor Hari singh Nalwa street, Karol Bagh, New Delhi- 110005

Mr. Ashwani Narang: 09310161148 , 09810161148

Sub: Rate Contract for supply of Line Interactive UPS  
Validity: From 14-FEB-11 To 31-JAN-12 .

Ref:(1) This Office Tender Enquiry No. L.I.UPS/IT-4/RC-D3010000/0711/84  
Opened on 09-NOV-10.  
(2) Your Quotation No. And Dated

Dear Sir,

You are hereby informed that your above referred tender read with subsequent letters mentioned above for the Stores specified in the Schedules annexed has been accepted. This rate contract will be governed by the terms and conditions brought in the Form no. DGS&D 1001 available from dgs&d sales counter on payment of Rs. 50/- .The Rate Contract and the schedules annexed here to shall be the sole repository of this Rate Contract/Transaction.

### SCHEDULES ANNEXED

- 1.Schedule "A" Description of stores,prices,duties/taxes.
- 2.Schedule "B" special conditions of contract / Other information.
- 3.Schedule "C" Information to DDOs about parallel rate contracts.
- 4.Annexure - Technical Specification

Yours Faithfully,

( )

Assistant Director(S)/Section Officer/Dy.Director  
For and on behalf of the purchaser named in the Form DGS&D 1001.

**COPY TO:**

- 1.The Chief Controller of Accounts,Department of commerce,New Delhi/  
COA Mumbai/COA Kolkata,COA Chennai.  
(Through authentication cell) This issues with the approval of competent authority.
- 2.Deputy Director General of Supplies & Disposals,Chennai -10 copies each
- 3.Deputy Director General of Supplies & Disposals,Kolkata -10 copies each
- 4.Deputy Director General of Supplies & Disposals,Mumbai -10 copies each
- 5.Deputy Director General (QA),Kolkata -10 copies each
- 6.Deputy Director General (QA),Chennai -10 copies each
- 7.Deputy Director General (QA),Mumbai -10 copies each
- 8.Deputy Director General (QA),DGS&D -10 copies each
- 9.Inspection Authority ADG(QA) DGS&D New Delhi - 110001.
- 10.Quality assurance Officer Director (QA) Delhi Directorate/ Mumbai,Chennai/Kolkata.
- 11.Concurrent Audit
- 12.MIS Cell
- 13.Ledger clerk
- 14.O.L.Section
- 15.All Direct Demanding Officers as per mailing list maintained by DGS&D.

( )  
Assistant Director (S) / Section Officer / Deputy Director  
FOR DIRECTOR GENERAL OF SUPPLIES & DISPOSALS

## SCHEDULE - A

1. Rate Contract No.: -L.I.UPS/IT-4/RC-D3010000/0711/84/03517/1500

Dated 14-FEB-11 For the Supply of Line Interactive UPS

2. Advance Rate Contract No.: - Nil

Dated

3.(a) Name and Full Address of the Firm :-

VSM ENTERPRISES PRIVATE LIMITED  
21/1381 1st Floor Hari singh Nalwa street, Karol Bagh, New  
Delhi- 110005

Mr. Ashwani Narang: 09310161148 , 09810161148

DELHI - 110005  
Tel. No. - 011-32947112,9310161148  
Fax -  
Email -

(b) Name and Full Address of Manufacturer :-

VSM Enterprises Pvt. Ltd.  
16/5, Karkhana Bagh, Near Indian Gas Agency  
Faridabad ( HR)

(c) Brand: VENUS

4. Validity of Rate Contract: 14-FEB-11 To 31-JAN-12

5. Description of Item, Specification, Unit, Rate

Item Model No. No. Rs.)	Store Description	Unit	Rate (in
1	VENUS Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.5, Minimum VAH: 84 NOS.	1629 Rs. ONE THOUSAN D SIX HUNDRED TWENTY- NINE ONLY
2	VENUS Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.5, Minimum VAH: 168 NOS.	2722 Rs. TWO THOUSAN D SEVEN HUNDRED TWENTY- TWO

					ONLY
3	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.5,Minimum VAH: 400	NOS.	4235 Rs. FOUR THOUSAN D TWO HUNDRED THIRTY-FIVE ONLY
4	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.65,Minimum VAH: 168	NOS.	2878 Rs. TWO THOUSAN D EIGHT HUNDRED SEVENTY-EIGHT ONLY
5	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.65,Minimum VAH: 400	NOS.	4606 Rs. FOUR THOUSAN D SIX HUNDRED SIX ONLY
6	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.65,Minimum VAH: 108	NOS.	2462 Rs. TWO THOUSAN D FOUR HUNDRED SIXTY-TWO ONLY
7	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.8,Minimum VAH: 168	NOS.	3387 Rs. THREE THOUSAN D THREE HUNDRED EIGHTY-SEVEN ONLY
8	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.8,Minimum VAH: 400	NOS.	5087 Rs. FIVE THOUSAN D EIGHTY-SEVEN ONLY
9	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 0.8,Minimum VAH: 216	NOS.	3900 Rs. THREE THOUSAN D NINE HUNDRED ONLY

10	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 1.0,Minimum VAH: 168	NOS.	4039 Rs. FOUR THOUSAND THIRTY-NINE ONLY
11	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 1.0,Minimum VAH: 400	NOS.	6060 Rs. SIX THOUSAND SIXTY ONLY
12	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 1.0,Minimum VAH: 216	NOS.	4164 Rs. FOUR THOUSAND ONE HUNDRED SIXTY-FOUR ONLY
13	VENUS	Line Interactive UPS with AVR for single phase AC 160V to 280V input.	Rated KVA: 1.0,Minimum VAH: 800	NOS.	8272 Rs. EIGHT THOUSAND TWO HUNDRED SEVENTY-TWO ONLY
35		Freight Charges for Line Interactive UPS	Rating (KVA): 0.5,0.65 and 0.8,Distance Slabs/ Regions/ Destinations: 31-1000 Kms.	NOS.	47 Rs. FORTY-SEVEN ONLY
36		Freight Charges for Line Interactive UPS	Rating (KVA): 0.5,0.65 and 0.8,Distance Slabs/ Regions/ Destinations: 1001-2000 Kms.	NOS.	52 Rs. FIFTY-TWO ONLY
37		Freight Charges for Line Interactive UPS	Rating (KVA): 0.5,0.65 and 0.8,Distance Slabs/ Regions/ Destinations: More than 2000 Kms.	NOS.	67 Rs. SIXTY-SEVEN ONLY
38		Freight Charges for Line Interactive UPS	Rating (KVA): 0.5,0.65 and 0.8,Distance Slabs/ Regions/ Destinations: NE Region and J & K State	NOS.	50 Rs. FIFTY ONLY
39		Freight Charges for Line Interactive UPS	Rating (KVA): 0.5,0.65 and 0.8,Distance Slabs/ Regions/ Destinations: Port Blair & Lakshadweep	NOS.	100 Rs. ONE HUNDRED ONLY
40		Freight Charges for Line Interactive UPS	Rating (KVA): 1.0,1.5 and 2.0,Distance Slabs/ Regions/ Destinations: 31-1000 Kms.	NOS.	96 Rs. NINETY-SIX ONLY

41	Freight Charges for Line Interactive UPS	Rating (KVA): 1.0,1.5 and 2.0,Distance Slabs/ Regions/ Destinations: 1001-2000 Kms.	NOS.	100 Rs. ONE HUNDRED ONLY
42	Freight Charges for Line Interactive UPS	Rating (KVA): 1.0,1.5 and 2.0,Distance Slabs/ Regions/ Destinations: More than 2000 Kms.	NOS.	100 Rs. ONE HUNDRED ONLY
43	Freight Charges for Line Interactive UPS	Rating (KVA): 1.0,1.5 and 2.0,Distance Slabs/ Regions/ Destinations: NE Region and J & K State	NOS.	100 Rs. ONE HUNDRED ONLY
44	Freight Charges for Line Interactive UPS	Rating (KVA): 1.0,1.5 and 2.0,Distance Slabs/ Regions/ Destinations: Port Blair & Lakshadweep	NOS.	100 Rs. ONE HUNDRED ONLY

6-Terms of Delivery: The prices are for free delivery within a radius of 30 Kms. Beyond 30 Kms, the extra freight charges per unit will be payable as per item no. 35 to 44.

7-Excise Duty: Not Applicable

8-Sales Tax: CST/VAT Extra @5.25%, if billing is done from Faridabad, @5%, if billing is done from New Delhi and @4.5%, if billing is done from Dehradun

9-Delivery Period: Within 8 to 12 weeks from the date of receipt of confirmed order.

10(a)-Annual Turnover: Without Limit

(b)-Monetary Limit(In Rs.): Without Any Limit

11-Payment Terms: As per Schedule B

12-Slab Discount Clause: Applicable

13-Prices: FIXED

14-Quantity Offered: NA

15-Minimum Quantity in Single Supply Order: Rs. 25,000/- except Delhi, NCR, Jaipur, Dehradun and Chandigarh.

16-Minimum order Value in Single Supply Order: Rs. 25,000/- except Delhi, NCR, Jaipur, Dehradun and Chandigarh.

17-Status of the RC Holding Firm: SSI

18-Paying Authority: The Chief Controller of Accounts, Deptt. of Supply  
16A, AKBAR ROAD  
New Delhi -110011

19-Inspection Authority: For Civil  
ADG(QA),Jeevan Tara Building,Parliament Street  
New Delhi

20-Quality Assurance Officer: For Civil

Director(QA), Delhi Directorate,  
Jeevan Tara Building, 4th Floor, Sansad Marg  
New Delhi  
DELHI -110001

21-Place where the Stores are to be Tendered  
for Inspection:

- 1) 16/5, Karkhana Bagh, Near Indian Gas Agency, Faridabad (HR)
- 2) Gali No. 21 Plot No. 1381, Hari Singh Nalwa Street, Karol Bagh, New Delhi
- 3) 126, Neelkanth Shopping Plaza, 43-A, Rajpur Road, Dehradun

22-R/C is DDOs Operated:

Yes

With effect from First October two thousand eight ( 01-10-2008 ),all supply order(s) against this Rate Contract must be placed by Direct Demanding Officer(s) on-line through D.G.S&D web site ([www.dgsnd.gov.in](http://www.dgsnd.gov.in)) (indentor's page) only. Supply order(s) in any other form placed on or after 01-10-2008 shall not be valid and shall not be acted upon by the contractor or any other concerned agencies.

DDO shall download the supply order and send an ink signed copy to the concerned paying authority specified in the rate contract through Registered / speed post immediately after on-line placement of Supply Order(s).

23-Packing & Specification :

see annexure

( )  
Asstt. Director (S) / Section Officer / Dy. Director  
For and behalf of the purchaser named in the Form DGS&D 1001.

All the R/C particulars including prices in respect of individual R/Cs are available on DGS&D website which can be accessed by all. The DGS&D website is <http://dgsnd.gov.in>

## **SCHEDULE - B**

RC Specification: 1. Slab Discounts: The following discounts are:-

0.50% discount on single order value from Rs. 5,00,000/- to Rs. 7.50 Lakhs

0.75% discount on single order value from Rs. 7,50,001/- to Rs. 10 Lakhs

1% discount on single order value from Rs. 10,00,001/- to Rs. 15 Lakhs

1.5% discount on single order value from Rs. 15,00,001/- to Rs. 30 Lakhs

2.5% discount on single order value from Rs. 30,00,001/- and above.

Freight charges vide RC no. 35, 36, 37, 40, 41 & 42 will be nil on a single order value above 2 Lacs.

2. On Line UPS System will conform to standard guarantee/warranty clause 18 of DGS&D-1001 effective for a period of 12 months from the date of receipt of stores by the consignee or 15 months from the date of dispatch which ever is earlier.

3. Delivery shall be covered by the DGS&D standard Octroi duty / Local levies / Entry tax clause as under:

Octroi Duty / Entry Tax: Normally, materials to be supplied to government Deptt. against government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. The Local town/Municipal body regulations at times, however provide for such exemption only on production of such exemption certificate from any authorized officer.

Wherever required, Contractor should obtain the exemption certificate from the purchase officer or indenter concerned, to avoid payment of such local taxes of duties. In case Local town/Municipal body regulations do not provide for such exemptions the octroi duty shall be payable at actual against documentary evidence of having paid such levies.

4. Supply of Road Permits/ Way bill by the indenter/consignees:

In all such cases where the requirement of Road Permit/Way Bills for entry of goods into a particular State is mandatory, the following provisions shall be strictly followed: -.

(a) The supplier shall request the indenter/consignee for providing Road permit/ Way bill within 10 days of the receipt of the Supply order. The supplier shall furnish all the necessary information and documents in this regard to Indenter/consignee.

(b) On receipt of the above request from the supplier, the indenter/consignee concerned shall arrange to provide the Road permit/Way Bill in the prescribed form to the supplier within a maximum period of two weeks so that the same reaches the supplier before the dispatch of the stores. However, in cases where the Road permit/Way Bill is issued on proof of actual invoice of the material, the consignee shall arrange to provide the Road permit/Way Bill from appropriate authorities within a maximum period of 5 days from the receipt of invoice.

(c) The supplier shall not be held responsible for any delay in supply due to non- supply/delayed supply of Road permit/Way bill by the indenter/consignee.

(d) All cases of abnormal delay in providing requisite details/ documents by the supplier or issue of Road permit/Way bill by indenter/consignee, the same shall be reported to DGS&D.

### **5. PAYMENT TERMS:**

Payment will be made to the contractor on submission of bills in accordance with the procedure laid down under clause 19 of DGS&D-69 as amended up to date. The broad provisions are reproduced as under: -

(i) 98% of the price of the stores of each consignment thereof shall be paid on production of a valid inspection note and on the basis of provisional receipt certificate issued by the consignee for having received the stores in full and good conditions, duly endorsed either on copy of I. Note issued for advance 98% payment or in the standard format given below:-

"This is a provisional receipt, it only be taken as the receipt of the stores by the consignee and is without prejudice to his right of inspection and rejection under the general conditions of contract. It is issued on ` said to contain basis" the contractor remaining



responsible for providing the total quantities actual delivered".

(ii) Balance 2% shall be paid on receipt of stores by the consignee in good condition

6. You shall furnish complete and satisfactory Type Test Certificate (TTC) except Environmental test for each rating with highest VAH, however, the environment test certificate only for the highest rating with highest VAH of the respective schedule to the Director QA concerned at the time of inspection of first lot. TTC shall be from Govt. laboratory. Suppliers, who have already got type test certificates for the existing rating, would not be required to obtain fresh type test certificate for the same rating.

7. Preparation of site along with cabling work of Input, Output Point and MCBs etc. shall be the responsibility of the Indentor/Consignee.

8. Battery for UPS shall be of the following makes:

Exide, Panasonic, Amar Raja, CSB, Global, Okaya, Rocket, Ritar, Base, Triumph (HBL) or DGS&D registered batteries or any other make duly Type Tested to JIS C 8702 from DGS&D approved lab.

( Shashi K. Sud )

Assistant Director (S)

For Director General of Supplies & Disposals

## SCHEDULE - C

### List of Parallel Rate Contract For Line Interactive UPS

Sr.No.	NAME & FULL ADDRESS OF FIRM	R/C NO & DATE
1	VSM ENTERPRISES PRIVATE LIMITED 21/1381 1st Floor Hari singh Nalwa street, Karol Bagh, New Delhi- 110005  Mr. Ashwani Narang: 09310161148 , 09810161148  DELHI 110005	L.I.UPS/IT-4/RC- D3010000/0711/84/03517/1500 14-FEB-11
2	SUPRA HI-TECH ELECTRO EQUIPMENTS PVT LIMITED 32/86, A & B, Pallissery Road, Thammnam P.O. Cochin Cochin KERALA 682032	L.I.UPS/IT-4/RC- D3010000/0711/84/01302/1478 17-JAN-11
3	ORBIT POWERTRONICS PVT LTD A-24, Gali No.22, Mahindra Park, Adarsh Nagar New Delhi DELHI 110033	L.I.UPS/IT-4/RC- D3010000/0711/84/05489/1479 17-JAN-11
4	JR COMMUNICATIONS & POWER CONTROLS G4, Royal Towers, A/20, I-Cross West, Thillainagar, TIRUCHY TAMIL NADU 620018	L.I.UPS/IT-4/RC- D3010000/0711/84/05744/1506 14-FEB-11
5	KBS COMPUTERS PVT LTD KBS HOUSE PLOT NO. EL-118, ELECTRONIC ZONE, MIDC, MAHAPE, NAVI MUMBAI- 400710  Mr. Manoj : 09820055773 Mr.Manish: 09820808480  MAHARASHTRA 400710	L.I.UPS/IT-4/RC- D3010000/0711/84/01542/1507 14-FEB-11
6	NATIONAL ENGINEERING WORKS 56, Foundry nagar Extension, Agra  UTTAR PRADESH	L.I.UPS/IT-4/RC- D3010000/0711/84/NA386/1508 14-FEB-11
7	BHANU TRADERS, Sasni Gate, Agra Road,Aligarh	L.I.UPS/IT-4/RC- D3010000/0711/84/01825/1509 14-FEB-11

7	UTTAR PRADESH	L.I.UPS/IT-4/RC- D3010000/0711/84/01825/1509 14-FEB-11
8	INSTRUMENTS & EQUIPMENT COMPANY 108, COMMERCIAL ROAD, AMBALA CANTT  HARYANA 133001	L.I.UPS/IT-4/RC- D3010000/0711/84/05324/1494 14-FEB-11
9	MILLENIUM ELECTRONICS PLOT NO. 35E, SECTOR -2, PARWANOO, HP  Contact Person: Akhtar Rais: 09350271060  HIMACHAL PRADESH 220	L.I.UPS/IT-4/RC- D3010000/0711/84/04867/1489 14-FEB-11
10	AARGEE EQUIPMENTS PRIVATE LTD., 1105, Kambi Complex, OTC Road, BANGALORE  KARNATAKA 560 002	L.I.UPS/IT-4/RC- D3010000/0711/84/04576/1510 14-FEB-11
11	INVAPOWERSYSTEMS P.LTD. G-582 RIICO INDUSTRIAL AREA, SITAPURA JAIPUR JAIPUR RAJASTHAN 302033	L.I.UPS/IT-4/RC- D3010000/0711/84/05866/1495 14-FEB-11
12	INTEGRATED POWER CONVERSION PVT. LTD. Flat No. C-2, IIIrd Floor, A-108, Jawahar Park, Khanpur, New Delhi, DELHI 110062	L.I.UPS/IT-4/RC- D3010000/0711/84/04175/1490 14-FEB-11
13	POWER-ONE MICRO SYSTEMS PVT.LTD., GF3&F12, KSSIDC BUILDING, 5TH CR, BANGALORE  KARNATAKA 560058	L.I.UPS/IT-4/RC- D3010000/0711/84/03659/1511 14-FEB-11
14	ONE UP SYSTEMS 1st FLOOR PUSHPA COMPLEX, KASAUJI ROAD, SECTOR-2, PARWANOO 173220 (HP)  HIMACHAL PRADESH	L.I.UPS/IT-4/RC- D3010000/0711/84/03511/1484 14-FEB-11
15	AGMATEL INDIA PRIVATE LIMITED E-366, 2nd Floor, Nirman Vihar, Vikas Marg, Delhi 110092	L.I.UPS/IT-4/RC- D3010000/0711/84/03680/1491 14-FEB-11

- 15 Mr.Narendra Kumar: 09313631202 L.I.UPS/IT-4/RC-  
 Email: nkumar@agmatel.com D3010000/0711/84/03680/1491  
 Ph:011-22462256 / 22456529 / 43064306, Fax:011- 14-FEB-11  
 22019833  
 DELHI 110092
- 16 POWERNET SOLUTIONS PRIVATE LIMITED L.I.UPS/IT-4/RC-  
 No.1754, 9th cross,18th Main,,J.P.Nagar, D3010000/0711/84/03915/1512  
 BANGALORE 14-FEB-11  
 BANGALORE  
 KARNATAKA 560078
- 17 SAMTEK ELECTRONICS L.I.UPS/IT-4/RC-  
 F-256A, Street No.4, Pandav Nagar, Delhi- 110091 D3010000/0711/84/05484/1485  
 14-FEB-11  
 DELHI 110019
- 18 LUMINOUS POWER TEHNOLOGIES PVT. L.I.UPS/IT-4/RC-  
 LTD. D3010000/0711/84/04635/1492  
 14-FEB-11  
 C-8 & C-9, Community Centre, Janakpuri,New  
 Delhi- 110058  
 Mr. Pradeep Kailey  
 Mob: 09818665934 / 09818995934  
 DELHI 110058
- 19 TOTAL POWER CONDITIONERS PVT. LTD., L.I.UPS/IT-4/RC-  
 #32, 2nd Main, Siddartha Goutham School Road, D3010000/0711/84/05838/1513  
 kamakshipalya Ind.Extn,BANGALORE 14-FEB-11  
 KARNATAKA 560079
- 20 AAR KEY INDUSTRIES L.I.UPS/IT-4/RC-  
 Plot No. 109 Pocket- C Sector- 2 DSIDC Industrial D3010000/0711/84/05871/1486  
 Area Bawana Delhi 110039 14-FEB-11  
 Mr. Virender Kumar Goel : 09868206531 /  
 09868466737 / 08527626257  
 Tele No.: 011-24510342 / 27682109,Fax: 011-  
 27679551  
 DELHI 110039
- 21 RS POWER SYSTEMS, L.I.UPS/IT-4/RC-  
 A-42,JAI AMBEY NAGAR, D3010000/0711/84/05399/1502  
 TONK ROAD,JAIPUR 14-FEB-11  
 JAIPUR  
 RAJASTHAN 302018

22	NPP ENERGY LIMITED 1961/3, Arya Samaj Road, Near HDFC Bank, Narela, Delhi  DELHI                    110040	L.I.UPS/IT-4/RC- D3010000/0711/84/02524/1514 14-FEB-11
23	AUTORONICA 403, INDUSTRIAL AREA, PHASE-2, PANCHKULA  HARYANA                134113	L.I.UPS/IT-4/RC- D3010000/0711/84/N0028/1503 14-FEB-11
24	ELEGANT ELECTRONICS PVT. LTD. A-18, Wazirpur Group Industrial Area, Delhi DELHI                    110052	L.I.UPS/IT-4/RC- D3010000/0711/84/04485/1487 14-FEB-11
25	HYKON POWER ELECTRONICS (P) LTD., Kuttanallur, P.O. Thrissur, Kerala - 680014  KERALA                    680014	L.I.UPS/IT-4/RC- D3010000/0711/84/01261/1477 17-JAN-11
26	DS POWER SYSTEMS 4, Sundarpur, R.G.Baruah Road,Guwahati- 781034  Mr. Samor Barbora Mob: 09864027726  ASSAM                    781005	L.I.UPS/IT-4/RC- D3010000/0711/84/05868/1488 14-FEB-11
27	EMMANUEL ELECTRONICS 121, CIEM Indl. Estate, Kanchpada ,Malad (West), MUMBAI MAHARASHTRA 400064	L.I.UPS/IT-4/RC- D3010000/0711/84/04103/1504 14-FEB-11
28	UNILINE ENERGY SYSTEMS (P) LTD. Uniline House, 198/23 Ramesh Market East of Kailash, New Delhi- 110065  DELHI                    110065	L.I.UPS/IT-4/RC- D3010000/0711/84/03350/1496 14-FEB-11
29	KARVIN POWER SYSTEMS PVT. LTD 134, Blue Rose Industrial Estate, Next to Jaya Petrol Pump, Off. W.E. Highway, Borivali(E) MUMBAI MAHARASHTRA 400066	L.I.UPS/IT-4/RC- D3010000/0711/84/05779/1497 14-FEB-11
30	NPS POWER INDUSTRIES	L.I.UPS/IT-4/RC-

- |    |  |  |
|----|--|--|
| 30 | C-38, J-1, PARK, Mahanagar Extension<br>Lucknow<br>UTTAR PRADESH 226006  | L.I.UPS/IT-4/RC-<br>D3010000/0711/84/05231/1501<br>14-FEB-11 |
| 31 | DELTRON CONTROL SYSTEMS<br>282, Basement, Sant Nagar ,East of Kailash ,New<br>Delhi-65<br><br>Tele No. 011-41623871-72-73. 26219359<br>Fax No.: 011-41623870<br><br>DELHI                    110065    | L.I.UPS/IT-4/RC-<br>D3010000/0711/84/N0029/1505<br>14-FEB-11 |
| 32 | AXIS POWERTRONICS (P) LTD<br>RH-4/8, GURUDEV HOUSING SOCEITY,<br>BAJAJ NAGAR, MIDC,<br>WALUJ,AURANGABAD, Maharashtra- 431001<br><br>Mr. S.P.Gupta: 09371422708 , 09868849810<br><br>MAHARASHTRA 431001 | L.I.UPS/IT-4/RC-<br>D3010000/0711/84/05731/1498<br>14-FEB-11 |
| 33 | AZ ELECTRONICS<br>A-402, Rizvi Palace, Hill Road, Bandra (W)<br>Mumbai- 400050<br><br>Mr.B.K.Vaid: 09910900919<br><br>MAHARASHTRA 400050   | L.I.UPS/IT-4/RC-<br>D3010000/0711/84/O0295/1499<br>14-FEB-11 |
| 34 | PREMIER ENTERPRISES<br>44-B, Pocket-B, Sidharth Extension,New Delhi-<br>110014<br><br>Mr. Pankaj Garg: 09810034802<br><br>DELHI                    110014  | L.I.UPS/IT-4/RC-<br>D3010000/0711/84/05467/1493<br>14-FEB-11 |

**NOTE:**

(1) Before placing supply order, DDOs are advised to check with DGS&D or on the website whether any further RCs have been awarded or amendments to Rate Contract have been issued.

(2) All the R/C particulars including prices in respect of individual R/C's are available on DGS&D website, which can be accessed by all. The access code of DGS&D website is <http://dgsnd.gov.in>.

## ANNEXURE

- A. Suppliers shall furnish complete & satisfactory type test certificate except Environmental test for each rating with highest VAH ,however,the Environment test certificates only for the highest rating with highest VAH to the Director (QA) concerned at the time of inspection of first lot. TTC shall be from Govt. laboratory. Suppliers, who have already got type test certificates for the existing ratings, would not be required to obtain fresh type test certificates for the same ratings. For CE or UL certified Line Interactive UPS, supplier shall be in possession of CE or UL certificate for each item
- B. The firm shall registered for the subject stores in the name of Line Interactive UPS. The type test report for the highest rating of the UPS will be acceptable only for the purpose of grant of registration.
- C. Specification for Line Interactive UPS with AVR for Computers and general purpose
1. General
    - (a) UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burs, etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional.
    - (b) Enclosures shall conform to protection requirement of IP2L1 to IS13947 (Part 1)/1993 (reaffirmed 2004).
    - (c) Switching device shall be MOSFET or IGBT and the same shall be declared in the offer by the tenderers.
    - (d) Switching frequency shall be above 50 Hz and shall be declared in the offer.
  2. Switching over time from AC mains to UPS mode on power failure should be 10 milliseconds maximum.
  3. Input : 160 to 280V, 50 +/- 3 Hz Single Phase AC.
  4. Output :
    - (a) AVR output voltage in AC mode : 230 Volts +/- 9%, 50 +/- 3 Hz.
    - (b) UPS output voltage in battery mode : 230 Volts +/-10%, 50 +/-0.5 Hz.at Load power factor of not less than 0.6 lag.
  5. Total Harmonics distortion:  
40% maximum to be measured in DC mode.
  6. Efficiency (at rated output voltage and frequency)  
Inverter efficiency : Minimum 70%
  7. Regulation:  
Total variation of voltage from no load to full load shall not exceed 10% and at no point the output voltage should go beyond the permissible band of 230 Volts +/-9%
  8. Overload :  
UPS shall withstand 10% overload for at least 10 minutes in mains mode.

9. Protections :

- (a) Input voltage goes outside the range 160 to 280 Volts the system shall switch over to battery mode.
- (b) Over voltage , short circuit , and overload at UPS output terminals.
- (c) Protection against over discharge( The load shall be cut-off as soon as voltage of battery terminals falls below 10.5 V for 12 Volts and 21V for 24 Volts battery system.

10. Indicators and meters :

Following indicators shall be provided:

- (i) Mains mode.
- (ii) UPS mode
- (iii) Battery Low

11. Battery Bank :

- (a) The batteries shall be of 12 Volts Sealed Lead Acid Valve Regulated Type (VRLA) as per JISC:8707/1992 or to JISC:8702/1998 & the supplier shall submit compliance certificate to the governing specification from OEM to the concerned D(QA) at the time of inspection .
- (b) Suppliers shall declare battery AH Capacity, battery voltage, number of batteries of each rating, make and model of batteries offered with each item of UPS corresponding to the specified minimum VAH rating of battery bank.
- (c) In case the batteries are not housed inside UPS cabinet, suitable enclosure/rack to mount these batteries shall also be supplied along with the batteries.

12. Freight charges for despatch shall be per unit basis subject to the conditions

specified in terms & conditions of T/E for various distance slabs/regions/destinations.

D. Testing requirement for UPS

1. Type tests :

Following shall constitute the type testing. And shall be carried out at least on one unit of each rating .

- (a) Visual examination
- (b) Verification of output power and frequency
- (c) verification of voltage regulation.
- (d) Verification of efficiency
- (e) Verification of total harmonics distortion.
- (f) Verification over voltage protection.
- (g) Test for insulation resistance, leakage current and high voltage as per IS: 616/2003(IEC 60065-2001)Insulation resistance should not be less than 100 mega ohms.
- (h) Test for minimum VAH capacity of the battery.
- (i) Capacity test (C20) and High Rate Discharge shall also be carried out at the time of first inspection for each rating , make and model of battery at the firm's premises.

2. Environmental tests:



Following environmental tests shall be carried out. During the last 1/2 an hour of each environmental test functional tests, as at SL.No. 1,2 and 3 above shall be carried out and result should be satisfactory. Further after each environmental test the functional performance mentioned at SL.No. (a) to (f) shall be checked after recovery period of 1 hour and test results shall be satisfactory.

- (a) Burn-in Test : At a temperature of 45 degree C for 48 hours with power on and at full load.
- (b) Dry Heat Test : At 45 degree C for 16 hrs in accordance with IS: 9000 (Part 3/Sec.5)/1997) (reaffirmed 2004) .
- (c) Damp Heat Test : At 40 degree C, RH 95% for two cycles. in accordance with IS: 9000(Part5/sec.1) 1981 (reaffirmed 2004)
- (d) Cold Test : At 0 degree C for 2 hrs. in accordance with IS: 9000 (part2/sec.4)1997 (Reaffirmed 2004)

3. Acceptance tests :

Tests listed at SL.No. (a) to (h) shall constitute acceptance test and shall be carried out on all the items offered for inspection. Capacity test for the battery shall also be carried out as an acceptance test against each lot.

Q.A.Procedures:-

- 1) The firm shall furnish schematic diagram of UPS for each rating as and when they are offered first time for inspection against the rate contract .
- 2) During each visit, at least one rating of the UPS shall be tested for the verification of its capability to operate on rated KVA and rated pf for continuous 8 hours (min). During this period performance of machine should not deteriorate in respect of efficiency and voltage regulation. Selection of rating shall be such that it covers each rating offered for inspection.
- 3) The firm shall have necessary facilities to test batteries for high rate discharge and for capacity rating tests. So that batteries can be verified for HRD & capacity verification test during each inspection. Method for the capacity rating is as per JIS C 8702.Sampling may be done as per IS: 7372. Weight of each rating of battery should also be reorded in Inspection Report.
- 7) Weight of the batteries, its brand, its voltage rating , AH rating and nos of battery fitted with UPS shall be indicated in the inspection note for the verification by the consignee.
- 8) Firm shall furnish copy of the invoices for retracibility and details of the serial no. of the batteries at the time of inspection for the corelation and records purpose of the QA

Line Interactive UPS with AVR for single phase AC 160V to 280V input.

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Specification :

Line Interactive UPS with AVR and PWM technology for computers suitable for single phase AC input voltage range 160V to 280V, 50 +/-3 Hz and single phase AC output voltage 230V +/-9%, 50+/-0.5 Hz in AC mode. It shall be housed in rugged enclosure made of M.S. sheet of 1 mm (minimum) thick aesthetically finished, duly pretreated and powder coated or ABS body.

Freight Charges for Line Interactive UPS

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Specification :

As per detailed specification and General Technical Requirements.

**LIST OF ALL AMENDMENTS**

**For RC No. L.I.UPS/IT-4/RC-D3010000/0711/84/03517/1500**

*NOTE: No Amendments issued till date 31-DEC-11*