

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

Digitally signed by:  
Shashi Kiran Sud  
Email Id:  
sksud@dgsnd.com.in

Rate Contract no. ON-UPSRACK/IT-4/RC-D30C0000/0212/84/F0177/1517  
Dated 25-FEB-11

To,

AGMATEL INDIA PVT LTD  
E-366, IInd Floor, Nirman Vihar, Vikas Marg, Delhi-92

Mr.Narendra Kumar: 09313631202  
Email: nkumar@agmatel.com, Ph:011-43064306

Sub: Rate Contract for supply of On Line UPS For IT Applications(Rack Mountable Type)  
Validity: From 01-MAR-11 To 29-FEB-12 .

Ref:(1) This Office Tender Enquiry No. ON-UPSRACK/IT-4/RC-D30C0000/0212/84  
Opened on 26-OCT-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.

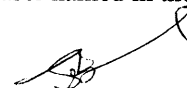
**SCHEDULES ANNEXED**

- 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,


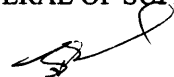


Assistant Director(S)/Section Officer/Dy.Director  
For and on behalf of the purchaser named in the Form DGS&D 1001.



**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.: -ON-UPSRACK/IT-4/RC-D30C0000/0212/84/F0177/1517  
Dated 25-FEB-11 For the Supply of On Line UPS For IT Applications(Rack Mountable Type)

2. Advance Rate Contract No.: - Nil  
Dated

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

AGMATEL INDIA PVT LTD  
E-366, IInd Floor, Nirman Vihar, Vikas Marg, Delhi-92

Mr. Narendra Kumar: 09313631202  
Email: nkumar@agmatel.com, Ph:011-43064306

DELHI - 110092  
Tel. No. - 011-22462256/2245652  
Fax - 011-22019833  
Email - aka@agmatel.com

(b) Name and Full Address of Manufacturer :-

American Power Conversion  
No. 27, Levelle Road, Bangalore- 560001

(c) Brand: APC

4. Validity of Rate Contract: 01-MAR-11 To 29-FEB-12

5. Description of Item, Specification, Unit, Rate

Item Model No. No.	Store Description	Unit	Rate (in Rs.)
3 APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 2.0 KVA, Indicative Back-up time: 30 Minutes NOS.	34276 Rs. THIRTY-FOUR THOUSAN D TWO HUNDRED SEVENTY-SIX ONLY
4 APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 2.0 KVA, Indicative Back-up time: 60 Minutes NOS.	43420 Rs. FORTY-THREE THOUSAN D FOUR HUNDRED TWENTY ONLY



5	APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 3.0 KVA, Indicative Back-up time: 30 Minutes	NOS.	42290 Rs. FORTY-TWO THOUSAND TWO HUNDRED NINETY ONLY
6	APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 3.0 KVA, Indicative Back-up time: 60 Minutes	NOS.	56500 Rs. FIFTY-SIX THOUSAND FIVE HUNDRED ONLY
7	APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 5.0 KVA, Indicative Back-up time: 30 Minutes	NOS.	65000 Rs. SIXTY-FIVE THOUSAND D ONLY
8	APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 5.0 KVA, Indicative Back-up time: 60 Minutes	NOS.	83000 Rs. EIGHTY-THREE THOUSAND D ONLY
9	APC	On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output	Rating of UPS: 6.0 KVA, Indicative Back-up time: 30 Minutes	NOS.	65799 Rs. SIXTY-FIVE THOUSAND SEVEN HUNDRED NINETY-NINE ONLY

6-Terms of Delivery:	Free delivery at consignee"s premises. Firm will not supply the stores in N.E. Region except in Guwahati City & Jammu, Udhampur & Srinagar Cities in J&K State. No supply will be made in Portblair & Lakshdeep also.
7-Excise Duty:	Inclusive @10.3%
8-Sales Tax:	CST/VAT Extra @5%
9-Delivery Period:	12-16 weeks from the date of receipt of technocommercial clear order alongwith road permit / octroi / entry tax exemption certificate, wherever applicable.
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:	NIL

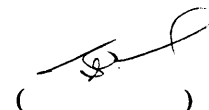


- 13-Prices: FIXED
- 14-Quantity Offered: Without Limit
- 15-Minimum Quantity in Single Supply Order: Without Limit
- 16-Minimum order Value in Single Supply Order: Without Limit
- 17-Status of the RC Holding Firm: LSI
- 18-Paying Authority: The Chief Controller of Accounts, Deptt. of Supply  
16A, AKBAR 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 Quality Assurance,  
Kendrya Sadan,17 th Main Road,  
Second Block,Koramangala  
Bangalore  
KARNATAKA -560034
- 21-Place where the Stores are to be Tendered  
for Inspection: At firm's premises at Bangalore
- 22-R/C is DDOs Operated: Yes

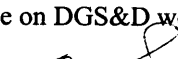
With effect from First October two thousand eight ( 01-10-2008 ),all supply order(s) against this Rate Contract must be placed by Direct Demanding Officer(s) on-line through D.G.S&D web site ([www.dgsnd.gov.in](http://www.dgsnd.gov.in)) (indentor's page) only. Supply order(s) in any other form placed 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 The Stores 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.

2. The Stores should be marked with CE / UL certification.

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 indentor 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 indentor/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 indentor/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 Indentor/consignee.

(b) On receipt of the above request from the supplier, the indentor/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 indentor/consignee.

(d) All cases of abnormal delay in providing requisite details/ documents by the supplier or issue of Road permit/Way bill by indentor/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:-

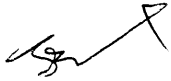
"This is a provisional receipt, it only be taken as the receipt of the stores by the consignee and is without prejudice to his right of inspection and rejection under the general conditions of contract. It is issued on `said to contain basis" the contractor remaining responsible for providing the total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

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

6. Batteries for UPS shall be of the following makes: Excide, Panasonic, Amar Raja, Global, Rocket, Base, CSB, OKAYA, 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



## ANNEXURE

### 1. General

- a. UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burrs, 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. By-pass facility shall be provided for maintenance of UPS.
  - d. UPS shall supply output power and charging current at the same time.
  - e. Switching device shall be MOSFET or IGBT and the same shall be confirm in their offer.
  - f. Switching frequency shall be above 10 KHz and shall be declared in their offer.
2. KW rating of the UPS shall be 0.70 times the KVA rating.
3. Input a. 160V-260V, 50 +/-3% Hz single phase AC.
4. Output a. 230V +/-1% (with alternative setting for 220V +/-1%) 50 +/-0.5Hz, single phase.
5. Total harmonics distortion at output : 2% maximum for UPS up to 5KVA and 3% maximum for UPS above 5 KVA on resistive load. If total input harmonics are less than or equal to 10%.
6. Efficiency (at rated KVA output, rated pf and rated o/p voltage and frequency)
- a. Overall efficiency (minimum) : 90%
7. UPS power factor at rated load : better than 0.9 lagging.
8. Over load : UPS shall withstand 20% overload for 10 minutes and 50% over load for one minute.
9. Protections :
- Following protection shall be provided in UPS:
- a. Over voltage, short circuit, and overload at UPS output terminal.
  - b. Under voltage at battery terminal.
  - c. Over shoot and under shoot shall not be greater than 4% of rated voltage for duration of 40m sec. (maximum).
10. Indicators and meters
- a. Following indicators shall be provided:-
    - (i) Mains presence.
    - (ii) Battery charging and discharging
    - (iii) Output overload
    - (iv) Low battery voltage.
11. Battery bank:
- a. UPS shall be supplied with SMF VRLA battery only.
  - b. Tenderers shall declare battery AH capacity, battery voltage, number of batteries of each rating, make and model of batteries offered with each item of UPS.
  - c. Batteries for UPS shall be of the following makes:  
Exide, Panasonic, Amar Raja, Global, Rocket ,Base or DGS&D registered batteries or

any other make duly type tested to JIS C 8702 from Govt lab.

d. Minimum VAH rating of battery bank for different duration of back up time shall be as detailed below:

UPS rating in KVA	Min.VAH 30 minutes back up Time	Min.VAH 60 minutes back up Time
1 KVA	800	1600
2 KVA	1600	3200
3 KVA	2400	4800
5 KVA	4000	8000
6 KVA	4800	9600
7.5 KVA	6000	12000
10 KVA	8000	16000
15 KVA	12000	24000
20 KVA	16000	32000

12. Testing requirement for UPS:

a. Type Tests : Following shall constitute type test and at least one sample shall be type tested for each rating with maximum backup time. Type testing shall be conducted either at an independent govt. laboratory or at the premises of the manufacturer in presence of an officer from concerned Directorate of Quality Assurance.

(i) Visual examination.

(ii) Verification of output power and frequency.

(iii) Verification of voltage regulation.

(iv) Verification of efficiency.

(v) Verification of total harmonics distortion.

(vi) Verification of overshoot, undershoot limits and over voltage protection.

(vii) Test for insulation resistance, leakage current high voltage as per IS:616/2003.

Insulation resistance should not be less than 100 mega ohms.

(viii) Verification of VAH as per Rate Contract.

(ix) Environmental tests: Following environmental tests shall be carried out on the highest rating. Tests at Sl. No. i to iii above shall be repeated during the last half an hour of each environmental condition.

Tests at Sl. No. i to vi shall be repeated after completing the environmental tests sequence of the three conditions and recovery period of 1 to 2 hours.

There shall be no deterioration in any of these parameters when compared to the test results obtained before environmental tests.

(A) Dry Heat Test : shall be carried out in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2004) at 55 degree C for 16 hrs.

(B) Damp Heat : shall be carried out at upper Temperature of 40 degree C, two cycles of (12+12) hours each in accordance with IS:9000(part 5/sec.2)1981 (reaffirmed 2004)

(C) Cold Test : shall be carried out in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2004) at -10 degree C for 4 hrs. .

b. Acceptance Tests :

Tests listed at Sl. No.i to viii shall constitute acceptance test. Acceptance test shall be carried out on all the items offered for inspection.

Quality Assurance Procedure:

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 recorded 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 onsignee.

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 correlation and records purpose of the QA Office.

#### On-Line UPS suitable for Single Phase AC Input and Single Phase AC Output

##### Specification :

On Line UPS with PWM technology, rack mountable type suitable for single phase AC input  
voltage range 160-260 v, 50+/-1.5HZ. and single phase output voltage 230+/-1%  
volt, 50  
+/-0.5 HZ. It shall be complete with rack rail kit for mounting of UPS in the rack  
and  
shall be housed in rugged enclosure made of steel sheet having 1.2 mm (minimum)  
thickness, aesthetically finished, duly pretreated and powder coated.

UPS shall have the form factor as detailed below:-

1.0 KVA and 2.0 KVA ----- 2U.  
3.0 KVA, 5.0 KVA and 6.0 KVA ----- 4U.  
7.5 KVA and 10.0 KVA ----- 6U.  
15 KVA and 20 KVA ----- 12U

1U=44.75 mm (1.75 inches) height X 482.6 mm (19 inches) width and having depth  
upto 800 mm

