



Item No. 10 : UPS, Inverters, Solar UPS, Solar PV Panels, Battery

INSTRUCTIONS TO BIDDERS

1. This document set contains the following:			BIDDER'S COPY
a) Terms and conditions of the Tender	-	Pages	2&3
b) Details of the Firm offering this Quote	-	Page	4
c) Technical Compliance & Quotation form (Price Bid)	-	Page	5 to 11
d) NIT-T's check list copy	-	Page	12

- 2. The bidder's copy is for your future records. Please fill in and return only NIT-T's copy.
- 3. Read through the terms and conditions given and affix your signature and seal if you find them acceptable. Any deviations may be recorded. Read carefully the list of specifications that we have enclosed.
- 4. Fill in the questionnaire regarding the Firm.
- 5. The downloaded documents 'Technical Compliance Form' and 'Quotation Form (Price Bid)' should be TYPE WRITTEN USING CAPITAL LETTERS ONLY. At the time of filling the "Quotation Form (Price Bid)" make sure that you have not missed anything. Specify the model number & specification for each item. The form should be filled in item-wise. Do not leave blank fields. If you are not quoting for a specific item, you should specify "NOT QUOTING".
- 6. **Do not use** ambiguous terms like "**yes**", "**complied**" or "**available**". Specifically mention the matching specification of the product offered by you. Make sure that you have affixed your signature with date and seal on all the documents.
- 7. Please send the tenders in a sealed envelope superscribed as "QUOTATIONS AGAINST TENDER NOTIFICATION NO: JANUARY/2013/CSG Item No. 10: UPS, Inverters, Solar UPS, Solar PV Panels, Battery" so as to reach "The Head, Computer Support Group, CSG, National Institute of Technology, Tiruchirappalli 620 015, India" on or before February 7, 2013 at 2.30 p.m. along with a Softcopy of the Technical Compliance form and Quotation Forms in MS-Excel or MS-Word file format in a CD/DVD or USB drive.
- 8. For any further clarifications, contact by E-Mail: purchase@nitt.edu or by written request to "The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli 620 015"
- 9. DO NOT VISIT US WITHOUT OUR CONCURRENCE.

Last Date for receipt of tender at NIT-T	: February 7, 2013 at 2.30 PM
Opening Date for Tender	: February 7, 2013 at 3.30 PM

CHECKLIST TO BE FILLED IN BY BIDDER		
List of documents to be enclosed Completed & Signed		
1. Terms and Conditions form	YES / NO	
2. Details of the Firm offering this Quote	YES / NO	
3. NIT-T's Quotation form (Technical & Price Bid)	YES / NO	
4. Other technical specifications & pamphlets YES / NO		

Note: 1. "Cover" should contain the following:

- a. Form of "Acceptance of Terms and Conditions".
- b. Form of "Firms details"
- c. Pamphlets, if any.
- 2. Quotation Form (Technical & Price Bid)

Please retain this page with you for your future reference.





J A N U A R Y / 2 O 1 3 / C S G

COMPUTER SUPPORT GROUP

Tender Notification No. JANUARY/2013/CSG

Item No. 10 : UPS, Inverters, Solar UPS, Solar PV Panels, Battery

"TERMS AND CONDITIONS FORM"

IMPORTANT : READ ALL THE FOLLOWING TERMS AND CONDITIONS AND SIGN THE ACCEPTANCE CLAUSE FOLLOWING IT

- The offers should be addressed to "The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli 620015, India" and should be sent in a sealed envelope superscribed "QUOTATIONS AGAINST TENDER NOTIFICATION No.: JANUARY/2013/CSG Item No. 10: UPS, Inverters, Solar UPS, Solar PV Panels, Battery" so as to reach us on or before 2.30 p.m. on February 7, 2013 along with a Softcopy of the Technical Compliance form and Quotation Forms in MS-Excel or MS-Word file format in a CD/DVD or USB drive. However, if there is any dispute between Hard copy and Soft copy, Hard copy will be taken.
- 2. Each offer should be sent in a sealed cover with the tender documents. <u>Tenders received through email or</u> <u>FAX will not be considered.</u>
- 3. The tenders will be opened on **February 7, 2013 at 3:30 p.m.** in the presence of the vendors present with authorization letter from the respective companies / firms. Suppliers intending to attend the tender opening should intimate us in advance.
- 4. Full technical specifications and pamphlets should be sent along with the tenders. <u>Offers without proper</u> <u>technical specifications will be rejected.</u>
- 5. All offers should indicate the taxes and duties applicable, if any. Additional charges for packing, forwarding, freight, insurance etc., if any, should be clearly mentioned. Clearance at Customs will be arranged by us.
- NIT-T is paying concessional Customs & Excise duty under Government of India Notification No.51/96 for Central Customs and 10/97 for Central Excise Duty vide Certificate No.TU/V/RG-CDE(183)/2011 dt.10.10.11. Currently the purchaser is paying 5% Basic Customs Duty, 2% Educational Cess on Basic Customs Duty, 1% Higher Education Cess on Educational Cess, and 4% Import Additional Duty.
- 7. The Institute is not authorized to issue C and D forms of Sales tax certificate.
- 8. In case the offered items are to be imported, the rates should be quoted in foreign currency on C & F Chennai Airport, Insurance Cover should be up to National Institute of Technology, Tiruchirappalli (i.e. The Cost and Freight is up to Chennai airport and the insurance cover should be up to National Institute of Technology, Tiruchirappalli). NIT-T shall pay Customs duty if any.
- 9. If the price quoted is in foreign currency and if the order value is more than US\$10,000 then 100% payment will be made through Letter of Credit (LC) at sight on acceptance. If the order value is less than US\$10,000, then 100% payment will be through a Telegraphic Transfer (TT). The bank charges outside India should be borne by the Supplier / Beneficiary. Part shipment not allowed. If the price quoted is in Indian Rupees, then 100% payment will be made only after installation and commissioning. No advance payment will be made.
- 10. No revision of the price bid will be allowed once the price bids are opened.
- 11. No increase in price will be allowed after our firm orders are placed.
- 12. The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned.
- 13. Quote should come from authorized dealer or distributor or reseller for each of the product quoted. An authorization letter from OEM should accompany your quote for each product quoted, otherwise it may lead to rejection.
- 14. The delivery period and other terms should be clearly mentioned.
- 15. Eligibility: Quotation from registered firms/company's / manufacturer under TNGST/CST / other statutory bodies alone be considered. Any Manufacturer / Supplier / Dealer who has been declared ineligible by World Bank/government of India shall not be eligible to participate in this bid. Any fraudulent practices including concealing of facts at the time of submission of bid and there after shall lead to disqualification. List of beneficiaries especially from Educational Institutions / R & D Institutions should also be enclosed with the quotations.

SIGNATURE WITH DATE



J A N U A R Y / 2 O 1 3 / C S G

Tender Notification No. JANUARY/2013/CSG COMPUTER SUPPORT GROUP

Item No. 10 : UPS, Inverters, Solar UPS, Solar PV Panels, Battery

- 16. Complete user, technical and service documentation, and spare parts catalogue are to be provided along with the supply of the item.
- 17. The vendors are informed that they should not call us over phone or contact us in person. All clarifications can be obtained through E-Mail/FAX/Post. Vendors shall not make attempts to establish unsolicited and unauthorised contact with us after the opening of the offers and prior to the notification of the award. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
- 18. Delay / loss in postal transit or due to other reasons will not be NIT-T's responsibility.
- 19. We are not responsible for accidental opening of the covers that are not properly superscribed and sealed before the time scheduled for opening.
- 20. <u>The tender should be made only on the "Technical compliance form" & "Quotation form" which is available in our website, otherwise it shall lead to rejection</u>. The technical compliance form & Quotation form should be duly filled up (preferably TYPE WRITTEN IN CAPITAL LETTERS) and should clearly mention the features offered by the bidder against each specification.
- 21. Authorized signatory should sign on all the pages. Bids without authorized signatures will be rejected.
- 22. The manufacturers of the quoted make of the product must be of national / international repute and having ISO certificate.
- 23. Liquidated damages: If the bidder/supplier, after accepting the Purchase Order, fails to deliver any or all of the Goods within the period specified in the Order, NIT-T shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder / supplier a sum equivalent to 0.50% of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the total cost. Once the maximum is reached NIT-T may proceed on its own to consider the termination / cancellation of the order.
- 24. The vendors are informed that they should sign a stamp paper agreement with us, for Warranty, AMC, etc. as per our terms & conditions. 5% of purchase order value should be provided in the form of bank guarantee towards performance security if the order value exceeds rupees five lakhs within the rate contact period of one year. The bank guarantee will be returned to the supplier after the successful completion of supply, installation, and the warranty period.
- 25. No Earnest Money Deposit (EMD) or processing fee is required for submitting this rate contact.
- 26. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
- 27. Vendors are informed that once the companies are shortlisted based on the technical specification, only then the price bids of the firms that meet NIT-T's Technical specification / requirements would be compared.
- 28. The rate contract period should be valid till March 31, 2014. This is for new requirements / expansion as and when it arises. The vendors participated in the tender are expected to renew their offers whenever requested. The quoted prices should be valid for the entire rate contract period.
- 29. NIT-T reserves the right to modify or alter the specifications after short listing of tenderers.
- 30. NIT-T reserves the right to change the order quantity or split the orders among multiple vendors without assigning any reason(s) whatsoever.
- 31. NIT-T reserves the right to reject any or all the tenders without assigning any reasons whatsoever.
- 32. Apart from the above General Terms and Conditions, item-wise terms and conditions are enlisted in the Technical compliance form and Quotation form.

ACCEPTANCE

We accept the above terms and conditions and shall comply with them strictly. **NAME OF THE VENDOR: ADDRESS**:

SIGNATURE WITH DATE





Item No. 10 : UPS, Inverters, Solar UPS, Solar PV Panels, Battery

"DETAILS OF THE FIRM OFFERING THIS QUOTE"

(Write or print or type in block letters and please answer all the questions)

1.	Name of the firm:			
2.	Date of incorporation:			
3.	Nature of the company - Government / Public / Private Company / Partnership / Proprietorship:			
4.	Specify the number of years in this line of activity by the company:			
5.	Quantity of sales in the last three years for the UPS, Invertors, Battery (on rate contract basis):			
	2009-2010 2010-2011 2011-2012			
6.	Turn over in the last three years (Figures should be in Indian Rupees in Lakhs):			
	2009-2010 2010-2011 2011-2012			
7.	Provide the postal address, telephone & fax numbers, and email address of the nearest service center:			
8.	What would be the delivery period from the date of placement of an official purchase order:			
9.	Are you the authorized dealer or distributor or reseller for the products quoted:			
10	Have you supplied any "LIPS / Invertors of similar capacity" to National Institute of			
10.	D. Have you supplied any "UPS / Inverters of similar capacity" to National Institute of Technology, Tiruchirappalli is the last 3 years?			
11.	1. Was there any elapse or delay in supplying the goods ordered or any service related issue during the warranty period for the products ordered by NIT-T with your firm? If yes, provide details.			
12.	On Manufacturer's Side to whom NITT have to contact in case of delayed supply and other issues committed by the authorized dealer / distributor / reseller :			

Contact Person Name :

Addres	S :
E-mail I	D :

Telephone / Cell Phone :



J A N U A R Y / 2 O 1 3 / C S G

Tender Notification No. JANUARY/2013/CSG

COMPUTER SUPPORT GROUP

Item No. 10 : UPS, Inverters, Solar UPS, Solar PV Panels, Battery

TECHNICAL COMPLIANCE & QUOTATION FORM (PRICE BID)

FIRM'S NAME & ADDRESS:

FIRM'S REF:

DATE :

Iter	m No. N.I.T.T'S SPECIFICATION	Make, Model & Warranty	Unit Price
I. UPS	i de la construcción de la constru		
	APC Smart-UPS 750VA Sine wave		
1.	Model: SUA750I with 6 outputs (IEC 320 C13)		
	with 2 years onsite warranty		
	APC Smart-UPS 1000VA Sine wave		
2.	Model: SUA1000I with 8 outputs (IEC 320 C13)		
	with 2 years onsite warranty		
3.	APC Back-UPS 700VA		
•	with 2 years onsite warranty		
4.	APC Back-UPS 800VA		
	with 2 years onsite warranty		
5.	APC Back-UPS 1100VA		
	with 2 years onsite warranty		
6.	APC Spare Battery: APC RBC17 SMF battery, 12V/9AH		
	SMF battery for APC UPS with 1 year onsite warranty		
7.	Microtek 850 VA, Model: 850VA E ² , Sine wave,		
	with 2 Years warranty for UPS & 1 year warranty for battery Microtek 1050 VA, Model: 1050VA E ² , Sine wave,		
8.	with 2 Years warranty for UPS & 1 year warranty for battery		
	Microtek 800 VA, Model: MDP800,		
9.	with 2 Years warranty for UPS & 1 year warranty for battery		
	Microtek 1000 VA, Model: TGE - 1000+,		
10.	with 2 Years warranty for UPS & 1 year warranty for battery		
II. Inve			
	APC Home UPS, BI850SINE, 850VA / 500 Watts,		
	Sine wave output, without battery		
	Input voltage range, Microprocessor controlled, Resettable		
	(Push Button type) circuit breaker, Audible alarms, LED		
11.	status indicators (Inverter load %, Fault, On mains, On		
	battery, Charging, Check battery), Cold-start capable,		
	UPS/INVERTER Switch, battery charger output (8A, 10A,		
	13A, 15A), Low battery voltage shutdown (11.1 Vdc), Line		
	neutral reverse protection with 2 years onsite warranty		
	APC Home UPS, BI1000I, 1000VA / 660 Watts,		
	Sine wave output, without battery		
	Home or Away switch, Microprocessor controlled,		
12.	Resettable (Push Button type) circuit breaker, Audible		
12.	alarms, LED status indicators (Inverter load % (50, 75,		
	100%), Fault, On mains, On battery, Charging, Check		
	battery), Cold-start capable, UPS/INVERTER Switch with 2		
	years onsite warranty		





lte	m No. N.I.T.T'S SPECIFICATION	Make, Model & Warranty	Unit Price
II. Inv	erter (Contd…)		
	600 VA Sinewave Inverter (any make)		
13.	without Battery, with 2 years onsite warranty		
	Specify make, model and enclose datasheet		
	800 VA Sinewave Inverter (any make)		
14.	without Battery, with 2 years onsite warranty		
	Specify make, model and enclose datasheet		
45	875 VA Sinewave Inverter (any make)		
15.	without Battery, with 2 years onsite warranty		
	Specify make, model and enclose datasheet		
16	1000 VA Sinewave Inverter (any make)		
16.	without Battery, with 2 years onsite warranty		
	Specify make, model and enclose datasheet 1400 VA Sinewave Inverter (any make)		
17.	without Battery, with 2 years onsite warranty		
17.	Specify make, model and enclose datasheet		
III So	lar UPS / Inverter	<u> </u>	
III. 00	SOLAR MICROINVERTER GRID-CONNECTED		
	Input DC Side: Input power 250W, Operating voltage range		
	≈ 20V - 50V, MPPT Voltage range ≈ 25V - 40V, Maximum		
	current $\approx 10A$		
	<u>Output AC Side</u> : Output power @ STC \approx 225W, AC current		
18.	≈ 1.0 A, AC Voltage 230V, AC Frequency 50 Hz, Current		
	THD < 4%		
	Other requirements: Efficiency > 90%, Night time standby		
	cosumption < 200 mW, PV Panel DC connector MC 4, PV		
	Panel DC connection cables Required, Warranty 10 years,		
	Standards compliance UL1741		
	SOLAR INVERTER OFF-GRID		
	System voltage 12 V, Continuous power 300 VA, Max.		
	efficiency 80 % or more, Own consumption standby / ON		
	Equal to or less than 0.5 W / 10W		
	<u>DC input side</u> : Battery voltage 10.5 V - 15 V, Reconnection voltage (LVR) 12.5 V, Deep discharge protection (LVD)		
	10.5 V		
	<u>AC output side</u> : Output voltage 230 V AC +/-10 %, Output		
19.	frequency 50 Hz, Waveform True sine wave voltage		
10.	Safety: Protection class II (double insulated). IP 20,		
	Electrical protection reverse polarity AC, over voltage, over		
	current, over temperature		
	Operating conditions: Ambient temperature -20 °C - +50 °C		
	Protection Functions: Electronic protection functions, Deep		
	discharge protection, Battery overvoltage shutdown,		
	Overtemperature and overload protection, Short circuit		
	protection on the AC output side		





Ite	m No. N.I.T.T'S SPECIFICATION	Make, Model & Warranty	Unit Price
III. So	lar UPS / Inverter (Contd…)		
20.	600 VA Dual Solar UPS with Pure Sine Wave output will Full Protection with 2 years warranty with 300W Poly-Silicon Solar PV panels with 10 years warranty and 25 years performance guarantee Solar 150 AH Tubular Battery with 3 years warranty Quote should include the required mounting structure, required cables and installation and commissioning. There should be a facility to charger the battery bank either through solar or grid. Specify the area required on the roof top.		
21.	 800 VA Dual Solar UPS with Pure Sine Wave output will Full Protection with 2 years warranty with 400W Poly-Silicon Solar PV panels with 10 years warranty and 25 years performance guarantee Solar 150 AH Tubular Battery with 3 years warranty Quote should include the required mounting structure, required cables and installation and commissioning. There should be a facility to charger the battery bank either through solar or grid. Specify the area required on the roof top. 		
22.	 1000 VA Dual Solar UPS with Pure Sine Wave output will Full Protection with 2 years warranty with 500W Poly-Silicon Solar PV panels with 10 years warranty and 25 years performance guarantee Solar 2 x 150 AH Tubular Battery with 3 years warranty Quote should include the required mounting structure, required cables and installation and commissioning. There should be a facility to charger the battery bank either through solar or grid. Specify the area required on the roof top, life of the Solar PV Panel. 		
23.	 1400 VA Dual Solar UPS with Pure Sine Wave output will Full Protection with 2 years warranty with 600W Poly-Silicon Solar PV panels with 10 years warranty and 25 years performance guarantee, Solar 2 x 200 AH Tubular Battery with 3 years warranty Quote should include the required mounting structure, required cables and installation and commissioning. There should be a facility to charger the battery bank either through solar or grid. Specify the area required on the roof top 		





lte	Item No. N.I.T.T'S SPECIFICATION Make, Model & Warranty Unit Price					
III. So	II. Solar UPS / Inverter (Contd…)					
24.	1000W SOLAR INVERTER / UPS (High-End) Inverter: Power Rating 1000W, Solar PV array input 40 - 88V, Maximum Open Circuit, Voltage 88V, Charge controller MPPT, MPPT Voltage Range 44 - 79V, Battery: Voltage 24V, Type SMF Lead Acid, Maximum grid charging current 18A, Output: Power Capacity 1000W, Output current waveform Pure sine wave, Load Power Factor 0.7 Lagging to unity, Voltage/Frequency 230 V. AC. Single Phase. 50Hz at stand-alone mode, Regulation ± 2%, Voltage distortion < 3% for resistive load, Grid tracking 230V. AC. (± 10%) Single phase. 50Hz (± 3Hz), Overload 125% for 4 minutes and 150% for 1 minute, Inverter efficiency > 80%, Operating modes 1. Stand-alone. 2. Grid interactive. 3. Off-line, Operating temperature 0 - 50 degrees C, Acoustic noise < 55 dB (measured as per ISO 3746), Protection IP 20, Cooling Forced cooling, Standards Compliance IEC 62040-3					
IV. So	lar PV Panels					
25.	100W MONO-SILICON SOLAR PV PANEL Specify the Cell Dimensions and number, Peak Power@STC 240W, Open circuit voltage@STC \geq 36V, Short circuit current@STC \geq 8.5 A, Reverse current load capacity @STC \geq 25 A, Junction box Conforming to IP 65 with 3 bypass, diodes, Maximum System voltage 1000V, Operating temperature range – 40 to 85 °C, PV Panel standards conformance Must conform to IEC 61215, Safety standards of IEC 61730 Warranty 10 years product warranty, 25 years performance guarantee (90 % up to 10 years, 80 % up to 25 years), Mounting both horizontal and vertical assembly, must be possible, Connections Connector Type-MC4, Connecting cable to be included					
26.	200W MONO-SILICON SOLAR PV PANEL (rest of the spec as above)					
27.	250W MONO-SILICON SOLAR PV PANEL (rest of the spec as above)					
28.	300W MONO-SILICON SOLAR PV PANEL (rest of the spec as above)					





Ite	Item No. N.I.T.T'S SPECIFICATION Make, Model & Warranty Unit Price					
IV. So	IV. Solar PV Panels (Contd)					
29.	100W POLY-SILICON SOLAR PV PANEL Specify the Cell Dimensions and number, Peak Power@STC 240W, Open circuit voltage@STC \geq 36V, Short circuit current@STC \geq 8.5 A, Reverse current load capacity @STC \geq 15 A, Junction box Conforming to IP 65 with 3 bypass, diodes, Maximum System voltage 1000V, Operating temperature range – 40 to 85 °C, PV Panel standards conformance Must conform to IEC 61215, Safety standards of IEC 61730, Warranty 10 years product warranty, 25 years performance guarantee, (90 % up to 10 years, 80 % up to 25 years), Mounting both horizontal and vertical assembly must be possible, Connections Connector Type-MC4, Connecting cable to be included					
30.	200W POLY-SILICON SOLAR PV PANEL (rest of the spec as above)					
31.	250W POLY-SILICON SOLAR PV PANEL (rest of the spec as above)					
32.	300W POLY-SILICON SOLAR PV PANEL (rest of the spec as above)					
V. Sol	ar Charge Controller					
33.	Solar Charge Controller, 12V Type MPP Tracking, Nominal system voltage 12V, Max. PV input power 250W @ 12V, Open circuit voltage of solar module 15V - 75V for 250W, MPP solar input voltage range 15V - 75V for 250W, PV module current 9A for 250W, Battery charge current 10A for 250W. Load current 10A, Power conversion efficiency Greater than 90%, Standby power consumption <30mA, Max. wire size for terminals 25mm ² , Temperature range -25 to 40°C, Protection class IP 32, automatic load reconnection, overcharge protection, temperature compensation, deep discharge protection, Common positive grounding or negative grounding on one, reverse polarity protection of load, module and battery, reverse polarity protection by internal fuse, automatic electronic fuse, Short circuit protection, overvoltage protection at module input, open circuit protection without battery, reverse current protection at night, overtemperature and overload protection, Battery overvoltage shutdown					





lte	m No. N.I.T.T'S SPECIFICATION	Make, Model & Warranty	Unit Price
V. Sol	ar Charge Controller (Contd…)		
34.	Solar Charge Controller, 24V Type MPP Tracking, Nominal system voltage 24 V, Max. PV input power 500W @ 24V, Open circuit voltage of solar module 15V - 100V for 500W, MPP solar input voltage range 15 - 100V for 500W, PV module current 18A for 500W, Battery charge current 20A for 500W, Load current 10A, Power conversion efficiency Greater than 90%, Standby power consumption <30mA, Max. wire size for terminals 25mm ² , Temperature range -25 to 40°C, Protection class IP 32, automatic load reconnection, overcharge protection, temperature compensation, deep discharge protection, Common positive grounding or negative grounding on one, reverse polarity protection of load, module and battery, reverse polarity protection by internal fuse, automatic electronic fuse, Short circuit protection, overvoltage protection at module input, open circuit protection without battery, reverse current protection at night, over temperature and overload protection, Battery		
35.	overvoltage shutdown Other solutions to convert an existing 600VA UPS/Inverter to Solar UPS/Inverter (like Solar PV panel, Change over switch, etc) (existing 1 tubular battery is to be used)		
36.	Other solutions to convert an existing 800VA UPS/Inverter to Solar UPS/Inverter (like Solar PV panel, Change over switch, etc) (existing 1 tubular battery is to be used)		
37.	Other solutions to convert an existing 1400VA UPS/Inverter to Solar UPS/Inverter (like Solar PV panel, Change over switch, etc) (existing 2 tubular battery is to be used)		
VI. Tu	bular Battery		
38.	12V/100 AH Tubular battery Make: Okaya / Exide / Rocket / Luminous / or other reputed make with three Years warranty		
39.	12V/120 AH Tubular battery Make: Okaya / Exide / Rocket / Luminous / or other reputed make with three Years warranty		
40.	12V/130 AH Tubular battery Make: Okaya / Exide / Rocket / Luminous / or other reputed make with three Years warranty		
41.	12V/150 AH Tubular battery Make: Okaya / Exide / Rocket / Luminous / or other reputed make with three Years warranty		
42.	12V/200 AH Tubular battery Make: Okaya / Exide / Rocket / Luminous / or other reputed make with three Years warranty		



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Item No. N.I.T.T'S SPECIFICATION		Make, Model & Warranty	Unit Price	
VII. Solar Tubular battery				
	12V/120 AH S	olar Tubular battery with three Years		
43.	warranty, to be	e used with Solar UPS / Inverter		
	Should be able	to support variable charging current		
	12V/150 AH S	olar Tubular battery with three Years		
44.	warranty, to be	e used with Solar UPS / Inverter		
		to support variable charging current		
		olar Tubular battery with three Years		
45.		e used with Solar UPS / Inverter		
	Should be able	to support variable charging current		

Note :

- 1. The order will be based on the actual requirement at the time of ordering.
- 2. One sample product with the same specification as quoted should be supplied for testing and benchmarking, if requested at your cost.
- 3. The make, model and the warranty period should be clearly specified.
- 4. The rates should be quoted on Door Delivery (F.O.R. N.I.T.T.) Basis. The items should be delivered at the NITT department address specified in the purchase order.
- 5. The rate should be valid till February 28, 2014.
- 6. Full Protection under Solar UPS means Short Circuit, Battery deep discharge, Overload sensor with auto restart, avoid short circuiting
- 7. Incentives in the form of capital subsidy are available from the Ministry of New and Renewable Energy, Government of India as per the scheme for Abatement of Diesel Generation in Industrial Installations. These incentives are Rs 70/w up to a maximum of 30% of equipment cost.
- 8. The quote price should exclude the subsidy. All subsidy should be indicated separately.
- 9. The bidder should assist to process the subsidy application with TEDA for the Solar project.



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NIT-T'S COPY (To be filled in and submitted)

Last Date for receipt of tender at NIT-T Opening Date

: February 7, 2013 at 2.30 PM : February 7, 2013 at 3.30 PM

CHECKLIST TO BE FILLED IN BY BIDDER (Please make sure that these pages are filled and send duly signed)		
List of documents to be enclosed	Completed & Signed	
1. Terms and Conditions form	YES / NO	
2. Details of the Firm offering this Quote	YES / NO	
3. NIT-T's quotation form (Price Bid)	YES / NO	
4. Other technical specifications & pamphlets	YES / NO	

FOR NIT-T USE ONLY	
Name of the Vendor Address (Location):	
1. Terms and Conditions form duly signed	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's quotation form (Price Bid)	YES / NO
4. Other technical specifications & pamphlets	YES / NO
6. No. of enclosures	
7.Status of tender	Accepted for evaluation / Rejected
	REGISTRAR