



**NLC TAMILNADU POWER LIMITED**  
 [A JV between NLC India Ltd(formerly Neyveli Lignite Corporation Ltd) &TANGEDCO and subsidiary of NLC India Ltd]  
**Contracts & Purchase Division**  
**Office of Chief Executive Officer**  
**2x500 MW Thermal Power Plant,**  
**Harbour Estate,Tuticorin-628004. Tamilnadu, India.**

Phone: 0461-2352844, 2352840  
 Fax: 0461-2352480  
 Email:ceo.ntpl@nlcindia.com, candp.ntpl@nlcindia.com

CIN:  
U40102TN2005GOI058050  
GST NO.:  
33AACCN3238N1ZD

निविदा जाँच सं: /TENDER ENQUIRY NO :ENQ/NTPL/18-19/000439/C&P01(01)      दिनांक/DATE :31/12/2018      पृष्ठ /Page - 1

**Due Date of receipt of Quotation on or before : 21/01/2019 15:00:00 hrs. IST (Check NTPL eproc website for any change in due date of opening.)**  
**Note : Quotation should be valid for 60 days from the date of opening.**

Gentlemen,  
 We shall be glad to receive your lowest online offer submitted through <http://eproc.ntplpower.com> for the material mentioned below, subject to our terms and conditions. Any other mode of offer will be rejected. Please indicate the enquiry number in all future correspondence. Offer details of the participating bidders will be available online after the tender is opened.

क्र.सं. SI No.	विवरण Details	माप की इकाई UOM	मात्रा Quantity	
1	<b>विनिर्देश Specification</b>	Number	1.0000	
	<b>92 503 0005 : RSG2300NC Ethernet Switch with 28 Nos 10/100 RJ45 Ethernet ports and 4 No. s 100FX Multi Mode ST connector with embedded ROS suitable for substation SCADA system IEC-61850 protocol.Order code- RSG2300NC-R-RM-HI-HI-TX01-TX01-FXA01-FXA01-XX, SIEMENS MLF No.6GK6023-OAS13-3DB0-Z A01+B01+C16+D16</b>			
	<b>क्र.सं. SI No.</b>			<b>तकनीकी कारक Technical Factor(s)</b>
	1			RSG2300NC Ethernet Switch with 28 Numbers 10/100 RJ45 Ethernet ports and 4MM FOC connector. Make:Siemens-Ruggedcom
	2			28 Numbers of 10/100TX copper ports, 4 Multi mode operation, Non-blocking, store and forward switching, Multiple connector types.
	3			Cyber Security features as per grid norms -SSH/SSL with 128-bit encryption. -MAC based port security. -VLAN (802.1Q) to segregate and secure network traffic - SNMPv3 authentication and 56-bit encryption.
	4			Rugged Operating System features: -Simple plug and Play operation. -Quality of service for Real time Traffic. -IGMP Snooping for Multicast filtering. -Port rate Limiting and Broadcast storm limiting.
	5			Network Management tools HTTP graphical web-based, SSL (128-bit encryption), SNMP v1, v2c, v3 (56-bit encryption)Telnet, VT100, SSH/SFTP (128-bit encryption)Command Line Interface (CLI), RSA Key Management (1024 bit key),Authentication and Accounting - TACACS+ (encrypted),RADIUS client, PPP.
	6			Facility to enable/Disable the port and port based network access control.
	7			Reliability to work in harsh environment (-40 Deg C to +85 Deg C operating temperature), Hazardous Location Certification: Class 1 Division 2.
	8			Conforming to Standards- ISO9001: 2000, IEC 61000-6-2 Industrial (Generic) ,IEC 61800-3 Industrial (Variable Speed Drive Systems),IEC 61850-3 Electric Utility Substations,IEEE 1613 Electric Utility Substations,NEMA TS 2 Traffic Control Equipment CE Marking, Emissions: FCC Part 15 (Class A), EN55022 (CISPR22 Class A),Safety: cCSAus (Compliant with CSA C22.2 No. 60950,UL 60950, EN60950),Laser Eye Safety (FDA/CDRH),HazLoc Class 1, Div 2.
9	Power Supply Options: voltage range: 88-300VDC or 85-264VAC.			
10	Physical weight- not more than 5.3 Kg, Height-1.73 Inches Width-18.3 Inches Depth-12.4Inches Galvanised steel Enclosure with IP 40 Ingress class, DIN or Panel Mounting.			

एनटीपीएल स्टोर्स टुटिकोरिन में आपके प्रस्ताव को दरवाजा डिलीवरी आधार पर होना चाहिए।  
**YOUR OFFER SHOULD BE ON DOOR DELIVERY BASIS AT NTPL STORES TUTICORIN**  
 निरीक्षण बंध /Inspection Clause : Inspection at Tuticorin  
 गारंटी की आवश्यकताएँ /Guarantee Requirement : General Guarantee for Warranty as per NTPL format Warranty Period: 12 months from the date of commissioning or 18 months from the date of receipt of material, whichever is earlier.

Basis of Evaluation : Item-wise.

संलग्नक      Terms and Conditions of Enquiry  
 Attachments :



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क्र.सं. SI No.	विवरण Details	माप की इकाई UOM	मात्रा Quantity
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11	WARRANTY: Five years warranty - Applicable to design and manufacturing related product defects.		
<b>वितरण अनुसूची</b> Delivery Schedule			
	Delivery Type	Period From PO Date (Days)	Quantity
	Bulk delivery at NTPL,Tuticorin	0 to 90	1.0000
<b>परीक्षण प्रमाणपत्र</b> Test Certificate			
Manufacturer test certificate to be submitted			

2	<p align="center"><b>विनिर्देश</b> Specification</p> <p><b>92 503 0006 : RSG2300NC Ethernet Switch with 24 Nos 10/100 RJ45 Ethernet ports, 2 No. s 100FX Multi Mode ST connector and 2 No. s 100FX Single Mode ST connector with embedded ROS suitable for substation SCADA system IEC-61850 protocol. Order code-RSG2300NC-R-RM-HI-HI-FX01-FX04-XXXX-XXXX-XX, SIEMENS MLF No.6GK6023-OAS13-3DB0-Z A03+B07+C00+D00</b></p> <table border="1"> <tr> <th>क्र.सं. 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मुख्य कार्यकारी अधिकारी के लिए - एनटीपीएल

For Chief Executive Officer- NTPL