

**Bharat Heavy Electricals Limited**  
(High Pressure Boiler Plant) Tiruchirappalli – 620014,  
TAMIL NADU, INDIA

CAPITAL PURCHASE / MATERIALS MANAGEMENT / MFG

**ENQUIRY – Corrigendum 2**

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**NIT\_12088**

Enquiry Number:  
**2651200025**

Enquiry Date:  
**14.06.2012**

Due date for  
submission of  
quotation :  
**24.07.2012**

You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order.

**ITEM DESCRIPTION: Network Implementation for BHEL  
Tirumayam**

**Details of Corrigendum**

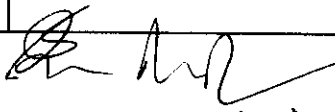
Corrigendum details as per attached annexure COR/2.

**All other terms and conditions as published in the NIT\_12088 remain unaltered.**

**Confirmation of acceptance for BHEL commercial terms & conditions and Price Bid formats have been posted in BHEL Corporate web site [www.bhel.com](http://www.bhel.com) and on the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2651200025".**

Tenders should reach us before 14:00 hours on the due date.  
Tenders will be opened at 14:30 hours on the due date.  
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.

Yours faithfully,  
For **BHARAT HEAVY  
ELECTRICALS LIMITED**  
DGM / MM / Capital Purchase

  
13/7/12

Annexure - A				
Section	Page No.	Existing	Changed as	Line No.
2	4 of 35	The actives shall be minimum EAL-2 certified.	Removed	2
Core Switch				
Section	Page No.	Existing	Changed as	Line No.
5.1.1.1	7 of 35	<u>Performance &amp; Scalability</u> The Switch should be able to dynamically buffer allocation in case of microbursts with >10msec of buffering on 10G uplinks	The Switch should be able to dynamically allocate buffer in case of microbursts with >10msec of buffering on 10G uplinks or should support delay buffer of up to 200ms of port speed to provide larger buffers	3
5.1.1.1	8 of 35	<u>Layer 3 features</u> The Switch should support Gateway Load Balancing Protocol or equivalent.	Removed	3
5.1.1.1	8 of 35	<u>Layer 3 features</u> The Switch should support 1M IPv4 Routes	The Switch should support minimum 512K IPv4 Routes	7
5.1.1.1	9 of 35	<u>Virtual Switching</u> The Virtual switch should support up to 1056 ports of 1Gbps The Virtual switch should support up to 352 ports of 10Gbps	The Virtual switch should support minimum 768 ports of 1Gbps The Virtual switch should support minimum 128 ports of 10Gbps	6 and 7
5.1.1.1	10 of 35	<u>MPLS</u> The Switch should support Up to 8192 VRFs	The Switch should support minimum 1000 VRF's	19
5.1.1.1	11 of 35	<u>Quality of Service</u> The Switch should support Distributed policing (up to 4 K policers)	The Switch should support Distributed policing (minimum 1 K policers)	10
5.1.1.1	11 of 35	<u>NetFlow/Sflow</u> The Switch should support a minimum of 512 K NetFlow/SFlow entries per module	The Switch should support a minimum of 512 K NetFlow/SFlow entries	2
5.1.1.1	12 of 35	<u>Security</u> The Switch should support 192K ACL's	The Switch should support minimum 1000 ACL groups	6
Distribution Switch				
Section	Page No.	Existing	Changed as	Line No.
5.1.1.2	16 of 35	<u>Layer 3 Features</u> Multicast entries should be minimum of 65,000 ( IPv4 ) and 60,000 ( IPV6 ).	Multicast entries should be minimum of 16000 ( IPv4 ) and 4000 ( IPV6 ).	3
5.1.1.2	16 of 35	<u>Quality of Service</u> QoS hardware entries should be minimum of 100,000.	QoS hardware entries should be minimum of 10000.	1
AAA Server				
Section	Page No.	Existing	Changed as	Line No.
5.1.1.4	19 of 35	The AAA Server should provide the manageability and administration of user access for routers, VPNs, firewalls, dialup and DSL connections, cable access solutions, storage, content, voice over IP (VoIP), wireless solutions, and switches using IEEE 802.1x access control.	The AAA Server should provide the manageability and administration of user access for routers, VPNs, firewalls, wireless solutions, and switches using IEEE 802.1x access control.	4
5.1.1.4	20 of 35	Tight coupling with Routers and VPN solutions to provide features such as Multichassis Multilink Point-to-Point Protocol (PPP) and Router/Switch Software command authorization.	Removed	1
Material Specification – Passive				
Section	Page No.	Existing	Changed as	Line No.
5.2.1.7	23 of 35	Floor-Mount Rack (24 U): Depth : 500mm	Depth : 600 mm	4
5.2.1.8	23 of 35	Floor-Mount Rack (42 U): Depth : 500mm	Depth : 800 mm	4
Annexure - B				
Section	Page No.	Existing	Changed as	Line No.
12	4 of 7	<u>Delivery Schedule</u> Supply of the materials, both active and passive, should be done within a period of 4 weeks from the date of releasing of the purchase order. Installation of the switches and configuration of LMS should be done within a period of 4 weeks from the date of supply. All the clients should be configured to get authenticated with ACS within 8 weeks from the date of supply. Installation of the passives as specified under "Bill of Material – Passive" should be done within a period of 16 weeks from the date of releasing of the purchase order. Installation of both active and passive items should be carried out simultaneously.	Supply of actives - 8 weeks from the date of PO Supply of passives - 6 weeks from the date of PO Installation of passives - 16 weeks from the date of PO. Total project (installation of actives and passives, configuration and sign-off) should be completed within 20 weeks from the date of PO.	1