

BHARAT HEAVY ELECTRICALS LIMITED,
(A Government of India Enterprises)
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NOTICE INVITING TENDER(NIT)

**Category of Tender: TWO BID
(PRICED + UN - PRICED)**

SUB: CAMPUS WIDE NETWORKING & SYSTEM
INTEGRATION

Our Ref: **MM/2/10/3764/CAP/W-071/5072**

DATE: 22.07.2014

Sealed quotations in duplicate are invited from suppliers on or before **13.08.2014** **SUPERSCRIBING OUR REFERENCE AND CATEGORY OF TENDER** on the cover, for supply of the under mentioned stores within the above due date, otherwise send **REGRET LETTER**, strictly subject to the Terms & Conditions attached herewith.
LATE TENDERS ARE NOT ACCEPTABLE.

ITEM No.	DESCRIPTION / SPECN. / SIZE	QTY																		
1.	Campus wide networking & system integration	LOT																		
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5. Annexure III	1 Page																		
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For BHARAT HEAVY ELECTRICALS LIMITED,

For Sr. MANAGER (MM)

SECTION - I

Sl. No.	DESCRIPTION	BIDDERS OFFER
1.0	ELIGIBILITY CRITERIA	
	Eligibility criteria for Bidders	
1.1	The bidder should be a company / firm registered in India.	
1.2	The bidder should be an existing Network System Integrator for more than 5 years (Supporting documents for the same to be submitted with technical offer).	
1.3	The bidder should possess ISO certification. The certifications should be current and the scope should include Network implementation.	
1.4	<p>The bidder should have experience in executing Enterprise Networks with system Integration. The bidder should have successfully executed Enterprise LANs during the last 5 years meeting the conditions below</p> <p>1. The bidder shall meet any of the below two points (a or b)</p> <p>a) At least Two Enterprise LANs with system integration, each with order value of not less than Rs. 25 Lakhs,</p> <p style="text-align: center;">Or</p> <p>b) At least One Enterprise LAN, with order value of Rs. 40 Lakhs</p> <p style="text-align: center;">And</p> <p>2. The bidder should also have successfully executed at least One Enterprise LAN with system Integration in the last 5 years with order value of not less Rs 75 Lakhs on outright purchase basis.</p>	
1.5	PO copies and commissioning certificates (for points 4) should be enclosed. PO's and evidences shall be in the name of bidder. POs and evidences in the name other than that of bidder shall not be considered.	
1.6	The bidder should not be under Hold or Blacklist by any of BHEL units or BHPV as on bid opening date. The bidder should give a declaration to this extent.	
1.7	The Makes for UTM & switches shall be ISO certified.	
1.8	The bidder should enclose authorization letters to participate in this tender, from respective OEMs for UTM & switches.	

SECTION - I

Sl. No.	DESCRIPTION	BIDDERS OFFER
2.0	General	
2.1	Certificates and evidences should be provided as a proof for all the above mentioned eligibility criteria.	
2.2	If bidder / OEM do not fulfill any of the eligibility criteria mentioned above, the offer will be rejected.	
2.3	The BIDDER / VENDOR shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B]& commercial offer 2. Price Bid.	
2.4	The Technical Offer shall contain a comparative statement of Technical Specifications demanded by BHEL and Offer Details submitted by the Bidder, against each clause. A just ' CONFIRMED ' or ' COMPLIED ' or ' YES ' or ' NO-DEVIATION ' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	
2.5	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought-Out-Items with copies of Product Catalogue to the extent possible.	
2.6	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	
2.7	Time period for completion of scope of work to be specified with detailed schedule chart. However, time period for completion shall not exceed 1 month from site readiness.	

GENERAL

A new LAN is proposed to be implemented in BHEL-Visakhapatnam. UTM appliance is to be installed and configured along with Switches and media converters.

This proposal consists of the following:

1. Supply, Installation and Configuration of UTM (Unified Threat Management) appliance.
2. Installation and configuration of data switches (35 nos. CISCO WS-C2950G-24-EI supplied by BHEL).
3. Supply and Installation of Media converters.
4. Installation and Configuration of Blade Servers (HP Proliant BL 460C with Chassis C7000 supplied by BHEL).
5. Establishment of connectivity, testing, commissioning and documentation.
6. Maintenance of all the above components for a period of 2 Years.

Sl. No.	DESCRIPTION / SPECIFICATION	BIDDER'S OFFER
1.0	SPECIAL INSTRUCTIONS TO THE BIDDER	
1.1	The offer shall be submitted in full, covering the total scope. Partial offer will not be accepted and will not be considered for evaluation.	
1.2	The bidder shall sign all the pages of the Tender document and all the supporting documents. Signing of the document means that the bidder has fully understood the Tender and complies with all the requirements.	
1.3	The bidder shall give cross reference for all the points, clearly mentioning the supporting document and highlight the reference portion in the document.	
1.4	The UTM and Media converters shall be supplied with 2 year support with replacement warranty. All software updates and firmware updates of UTM shall be provided during the entire 2 Years at no extra cost. The bidder shall give commitment letter in this regard.	
2.0	SCOPE OF WORK The scope of work is given in the following sections.	
2.1	Scope of work – Data switches (CISCO WS-C2950G-24-EI): (Supplied by BHEL)	
2.1.1	Installation of switches along with vendor supplied media converter	
2.1.2	Initial configuration of all switches as per BHEL's requirement	
2.1.3	Configuring of VLAN's, IPv6 / IPv4, QoS & Security Features as per BHEL requirement	
2.1.4	Testing and documentation	
2.1.5	Customer orientation training for 3 days	
2.1.6	Maintenance of switches and media convertors	
2.2	Scope of work – Media convertors :	
2.2.1	Supply of Media convertors (OFC to Copper)	
2.2.2	Installation	
2.2.3	Maintenance	

Sl. No.	DESCRIPTION / SPECIFICATION				BIDDER'S OFFER
2.3	Scope of Work – Blade Server (HP Proliant BL 460C with Chassis C7000 supplied by BHEL):				
2.3.1	Installation of Blade servers with Specified operating system and maintenance				
2.3.2	Installation of Windows OS and, services like DHCP, DNS, Active Directory, Windows Patch Updation, Server, and their maintenance.				
2.3.3	Installation of Redhat Linux Server.				
2.3.4	Installation, configuration and maintenance of Open Source Mail services in Linux				
2.3.5	Installation configuration and maintenance of Web services in Linux				
2.3.6	Documentation of all configuration and customer orientation training for 3 days for above services.				
2.4	Scope of Work – UTM Appliance				
2.4.1	Supply & Installation of UTM Appliance with required license for URL Filtering, IPS and Anti spam for minimum 1000 users.				
2.4.2	Configuring the UTM Services				
2.4.3	Maintenance				
3	BILL OF MATERIAL				
3.1	Bill of Quantity of UTM and Media convertors:				
	Sl. No.	DESCRIPTION	UNIT	QTY	
	1	UTM Appliance (Bidder to specify Brand)	No	1	
	2	Media convertors (Bidder to specify Brand)	No	70	
	3	Access Switches (48 Port) (Bidder to specify Brand)	No	5	
	4	Access Switches (24 Port) (Bidder to specify Brand)	No	10	
	5	Access Switches (12 Port) (Bidder to specify Brand)	No	15	
3.1.1	Material Specification – UTM				
3.1.1.1	UTM Appliance				
	System Performance Requirement				
	Description		Requirement		
3.1.1.1.1	Firewall				
	a	Firewall Throughput	8Gbps		
	b	IPSec VPN throughput	24 Gbps		
	c	concurrent session per second	1 million		
	d	New sessions per second	35000		
	e	Total Number of VPN tunnels supported by default	3000		

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
f	number of SSL user support required by default should be scalable to 5000	200	
g	Number of Gigabit Ethernet 10/100/1000 copper ports required	8	
H	Number of Console ports(copper, RJ-45 type)	1	
K	Number of power supplies	2	
L	Number of Vlan interfaces support required for whole system	512	
m	Number of STATIC IP/MAC binding support required	1000	
n	Number of IPv4 Firewall security policies support required	10000	
o	Number of Multicast firewall policy support required	1280	
p	Number of Firewall IPv4 address objects support required	20000	
q	Number of Firewall IPv6 address objects support required	20000	
r	Number of manual URLs that can be blacklisted or white listed support required	5 lakh	
s	Number of File patterns(*.exe, *.pdf etc) blocking support required	5 lakh	
t	Should support SSL traffic scanning transparently		
u	Should support User Identity Based firewall policies seamlessly without the need of any client utility be installed on hosts either manually or getting pushed through any directory servers		
3.1.1.1.2	VPN	Vendor to Confirm & furnish details as applicable	
A	Should support L2TP, PPTP GRE tunnels		
B	Should support IPSec Standards like Des, 3DES, AES, DH group 1,2,5,14		
3.1.1.1.3	Virtualization & HA		
A	Should support Active-Active HA		
3.1.1.1.4	Router & IPv6 support		
A	Firewall should support IPv6		
B	Firewall should support RIP, OSPF, BGPv4		
C	Number of IPv4 Static routes support required for whole system	5000	
D	Number of IPv6 Static routes support required for whole system	5000	
E	Number of Policy based Routes support required	2500	
F	Number of BGPv4 Neighbours support required	1000	
3.1.1.1.5	Authentication		
A	Should support LADP, RADIUS, Windows AD, PKI based Authentication		

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
B	Should also support Local User database creation & Number of Local users creation support required	10000	
C	Should have Integrated 2-Factor Authentication server support (If not integrated, provide external equivalent solution) & Number 2-factor authentication hard token support required	1000	
3.1.1.1.7	Application control		
a	should have integrated Application control solution & Number of Application control sensors support required	320	
b	Should have identification support for at least 1000+ applications and the identification should be regardless of ports. The applications needs to be predefined on the box.		
c	Should have the ability to control the applications based on the following actions : Allow, Deny, prioritization, allocate bandwidth user wise, group wise, Should be able to create content filtering policies user wise, Should be able to create bandwidth management rules based on web filtering categories		
d	The administrator shall be able to set the Session TTL of the selected application/group.		
e	The proposed system shall have the ability to identify, block or rate limit the following common P2P applications : Gnutella (Napshare, iMesh, Mldonkey, morph, Xolox, BearShare, FOXY), Bittorrent, Kaaza, WinY, edonkey		
f	The proposed system shall have the ability to manage and control Instant messaging usage by identifying various IM applications such as AIM, MSN, YAHOO, SIMPLE, ICQ		
3.1.1.1.8	Traffic shaping	Vendor to Confirm & furnish details as applicable	
a	The proposed system should support Traffic shaping & Traffic quota management on per IP address and Per user group basis without the need of any client utility to be either manually installed on hosts or pushed through Directory servers		

SI. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
3.1.1.1.11	IPS	Vendor to Confirm & furnish details as applicable	
A	Should support integrated Intrusion Prevention System (IPS). Firewall CPU & memory should not cross beyond 60 to 70% with full network nodes load while all IPS signatures are actively scanning the traffic along with Protocol anomalies and detecting 99% of Attacks with very low false positive rate. If required we would ask bidders to show either LIVE POC or some credible testing reports.		
B	The IPS detection methodologies shall consist of Signature based detection using real time updated database & Anomaly based detection that is based on thresholds		
C	The proposed system shall support One-arm IDS (sniffer mode)		
D	Administrator shall be able to configure DoS policies that are used to associate DoS settings with traffic that reaches an interface based on defined services, source and destinations IP/Range.		
E	The device shall allow administrators to create Custom IPS signatures		
F	IPS Signatures can be updated in three different ways: manually, via pull technology or push technology. Administrator can schedule to check for new updates or if the device has a public IP address, updates can be pushed to the device each time an update is available.		
G	When a signature is matched, configurable actions can be taken automatically like Detailed attack logging with hyperlink to IPS encyclopaedia references, Inbuilt email alerts, SNMP traps, Packet logging for forensic studies if hard disk available Pass, block or reset sessions		
H	The device shall allow administrators gradual IPS anomaly implementation by: Multiple Anomaly profiles based on source and destination Ips, Each profile allow administrator to configure variable thresholds and actions		
I	In event if IPS should cease to function, it will fail open by default and is configurable. This means that crucial network traffic will not be blocked and the Firewall will continue to operate while the problem is resolved.		
J	IPS should scan entire SSL encrypted traffic without any performance degradation		
K	IPS should also include Botnet filtering and detecting and preventing Botnet command and control traffic etc and appropriate licences if required need to be provided along with solution		

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
3.1.1.1.12	AV	Vendor to Confirm & furnish details as applicable	
A	Should support integrated Gateway level Antivirus. Firewall CPU & memory should not cross beyond 60 to 70% with full network nodes load while all Antivirus / spyware signatures are actively scanning the traffic along with Huristic scan and detecting 98-99% of malware which includes archived file malware as well. If required we would ask bidders to show either LIVE POC or some credible testing reports.		
B	The proposed system should be able to block, allow or monitor only using AV signatures and file blocking based on per firewall policy based or based on firewall authenticated user groups with configurable selection of the following services: HTTP, SMTP, POP3, IMAP, Instant Messenger (AIM, YAHOO!, MSN, ICQ, SIMPLE), NNTP as well as all SSL based protocols like SMTPs, IMAPs, POP3s, etc		
3.1.1.1.13	URL filtering	Vendor to Confirm & furnish details as applicable	
A	Firewall should support integrated Manual as well as dynamic category based web filtering should be supported and URL database size should not be less than 30 million or provide an equivalent external Web filtering appliance based solution which can be seamlessly integrated with firewall		
3.1.1.1.14	Anti spam	Vendor to Confirm & furnish details as applicable	
A	Firewall should support first level of Anti spam functionality		
3.1.1.1.15	Log support	Vendor to Confirm & furnish details as applicable	
A	Firewall should support logging to multiple syslog servers and should generate reports by integrating with other solutions. Reporting should not be done on firewall appliance as it would degrade the firewall security performance		
B	The Firewall must send log information to an external log server / appliance via an encrypted connection.		
C	The reporting tool needs to be bundled or quoted along with the solution. The logging and analysis should either be an appliance or on a dedicated PC / Server platform. The bidder should take the responsibility of supplying the hardware and the OS with suitable warranty.		
D	The hardware / appliance should have a minimum capacity of 1TB HDD, 2 x 10 / 100 / 1000 Copper Gigabit interfaces		

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
3.2.1	MEDIA Convertor		
	System Performance Requirement		
	Description	Requirement	
3.2.1.1	Make – D-link, Mrotek, Aaamernet, Baton		
a	Unmanaged Single mode media converter with internal AC power supply Max. Distance	15 Km	
b	Data transfer rate	1000 Mbps	
c	1 x SC fibre port and 1 x Gigabit Ethernet copper port		
d	LED status indicator for easy diagnosing and monitoring network activity		
e	Auto MDI-I/MDI-X copper Ethernet port		
f	Support for Auto Negotiation, Enable/Disable for Copper port Via DIP switch settings		
g	Transparent Pass through tagged and untagged data traffic		
3.3.1	Access Switches:		
a	Access switches shall be used to connect desktops / IP Phones / workstations / peripherals etc.		
b	The Access switch Type I shall have minimum 2No. SFP Ports, and 48 No. 10/100/1000 Mbps active copper ports.		
c	The Access switch Type II shall have minimum 2No. SFP Ports, and 24 No. 10/100/1000 Mbps active copper ports.		
d	The Access switch Type III shall have minimum 2No. SFP ports, and 12 No. 10/100/1000 Mbps active copper ports.		
	Specifications shall be as given below.		
3.3.1.1	Performance & Architecture		
a	For 48 port switch should have the switching capacity of 96Gbps & forwarding rate of 65Mpps.		
b	For 24 port switch should have 48Gbps of switching capacity & 35 Mpps of forwarding rate		
c	For 12 port switch should have 24Gbps of switching capacity & 20Mpps of forwarding rate.		
d	19" inch rack mountable. Rack mount kit to be provided along with the switch		
e	The switch should have enough Memory (Flash and / or any other) to hold the latest Software Release. The Memory should be large enough to support fully Populated ports, all features of switch and parameters like MAC Address Table, VLANs etc.		

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
f	Stacking / Virtualization with the following features : creates virtual resilient switching where two or more switches perform as a single Layer 2 switch and Layer 3; switches can be attached using standard LACP for automatic load balancing and high availability; simplifies network operation by eliminating the complexity of Spanning Tree Protocol, Equal-Cost Multipath (ECMP), or VRRP		
g	Address Resolution Protocol (ARP): determines the MAC address of another IP host in the same subnet; supports static ARPs; gratuitous ARP allows detection of duplicate IP addresses		
h	Dynamic Host Configuration Protocol (DHCP): simplifies the management of large IP networks; supports client; DHCP Relay enables DHCP operation across subnets		
i	All switches should support External Redundant power supplies.		
3.3.1.2	Connectivity & Filtering		
a	802.3ad	Should support Industry Standard Port / Link Aggregation for all Ports	
b	Jumbo Frames	Jumbo Frames support up to 9K Bytes	
c	Storm Control	Support for broadcast / multicast storm control to prevent degradation of switch performance from faulty end stations	
3.3.1.3	Layer 2 Functionality		
a	802.1Q	Should support 802.1Q protocol	
b	Type of VLANs	Should support port based VLANs	
c	VLAN Trunking Protocol or Equivalent	Should support VTP or equivalent protocol to reduce administrative burden of configuring VLANs on multiple switches	
d	No. of VLAN	Should support minimum 255 active VLANs	
e	MAC Addresses	No. of MAC Address Supported: 8000	
f	IPv6	Should support IPv6 as per RFC 2460 and IPv6 Neighbour Discovery	
3.3.1.4	Security Features		
a	MAC Address Filtering	Should Support MAC Address Filtering based on source and destination address	
b	DHCP Snooping	Should support DHCP Snooping to filter untrusted DHCP messages	
c	802.1X	Should support 802.1x Network Security and Authentication	

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
d	802.1x with VLAN Assignment / Guest VLAN	Should support 802.1x with VLAN Assignment / Guest VLAN features	
e	RADIUS	Should have support for RADIUS	
f	STP	Should Support Spanning Tree Protocol, Rapid Spanning Tree Protocol, Multiple Spanning Tree Protocol	
3.3.1.5	Quality of Service		
a	QoS Scheduling	Should support QoS scheduling	
b	Queue per port	Should support minimum 4 queues per port	
c	Rate Limiting	Switch should support rate limiting (bandwidth control). Rate limiting should be supported on the Ingress or Egress Of any port without sacrificing additional ports.	
3.3.1.6	Multicasting		
a	Multicast	Should support IPv4 Multicasting	
b	IGMP	Should Support IGMP v1, v2	
3.3.1.7	Management		
a	Network monitoring/ management	Switch should be manageable through NMS on per port / switch basis with common interface for all manageable devices on the network. Should Support syslog, SNMP, RMON, SSH, telnet, web management	
b	Port Mirroring	Should support port mirroring feature for monitoring network traffic of a particular port / VLAN / group of ports / entire switch.	
3.3.1.8	Software		
a	Software Version	Version of software for supplied switch should be latest release to support all required features	
b	Software Updates	Software updates should be bundled for the entire contract period	

Sl. No.	DESCRIPTION / SPECIFICATION		BIDDER'S OFFER
3.3.1.9	IEEE Standards Compliance		
a	IEEE Standards	Ethernet: IEEE 802.3, 10BASE-T	
		Fast Ethernet: IEEE 802.3u, 100BASE-TX, 100BASE-FX	
		Gigabit Ethernet: IEEE 802.3z, IEEE 802.3ab, 1000BASE-X (mini-GBIC/SFP), 1000BASE-SX, 1000BASE-LX/LH	
		IEEE 802.1D Spanning-Tree Protocol	
		IEEE 802.1S & 1W for Rapid Spanning tree convergence	
		IEEE 802.1p QoS Prioritization	
		IEEE 802.3x Flow Control	
		IEEE 802.3ad Link Aggregation	
		IEEE 802.1Q VLAN	
		IEEE 802.1X Authentication	
4.0	Specification of Blade Server (Supplied by BHEL)		
4.1	HP Blade system C7000 Chassis enclosure consists of seven servers. Specification of each server is furnished below		
	Parameter / Feature	Detailed Specifications	
a	Make & Model	HP Proliant BL 460C	
b	Mounting	Blade Mount (Blade Optimized)	
c	Processor	Dual Core Intel Xeon 3.0 GHz processor	
d	No. of Processors	Two (2)	
e	Chipset	Intel 5000 family chipset	
f	CPU Cache	6MB L2 Cache	
g	FSB	1333 MHz or higher	
h	Memory	8 GB DDR2-667 Fully Buffered DIMMs with memory interleaving expandable to 32 GB	
i	PCI Expansion slots	2	
j	HDD	2 x 146GB SAS 10K RPM	
k	Raid Controller	Integrated hardware SAS RAID controller supporting RAID 1	
l	NIC	Embedded 2 Nos. Multifunction Gigabit Network Adapters with TCP/IP Offload Engine + 1 dedicated port for remote management	
m	Management	Browser based Management Software for Monitoring, Managing and Configuring Servers.	

Sl. No.	DESCRIPTION / SPECIFICATION	BIDDER'S OFFER
5	MAINTENANCE	
	<p>The actives, blade servers, UTM appliance and other network components supplied/installed as per this tender shall be maintained for a period of 2 Years.</p> <p>At least one Technicians shall be posted to maintain the UTM and Servers. Timings of resident technician will be as per BHEL Officials. The technician should be available 24 X 7 on call. Technicians will adhere to BHEL's holiday calendar. Maintenance activities include the following:</p> <ol style="list-style-type: none"> 1. Daily report showing status of all servers and switches. 2. Configuration changes as per the requirement of BHEL. 3. Troubleshooting and resolution of network complaints. 4. Upgrade of OS on switches as and when required. 5. Maintenance of all the supplied items as per the scope given in this tender. <p>The activities given above are only indicative. The technicians shall carry out relevant activities as per the instructions of the BHEL Network Manager.</p> <p>Tools required for performing the above activities are under the scope of the bidder.</p> <p>If bidder fails to deploy the service technicians, deduction of payment shall be as decided by BHEL on pro rata basis.</p>	
6	SERVICE LEVEL AGREEMENT	
6.1	Bidder shall be responsible for continuous and smooth operation of the UTM, Media Convertor, Switches and facility management (system integration) for the entire lease period.	
6.2	Maintenance and services shall cover services, repairs and replacements necessary to keep the network in good working condition.	
6.3	Bidder shall maintain sufficient spares, in HPVP Visakhapatnam to ensure immediate attention in case of breakdown.	
6.4	Bidder to include in their scope for 2 years maintenance along with manpower.	
7	OTHER TERMS & CONDITIONS	
7.1	Commissioning certificate will be issued only after completion of the total work.	
7.2	Payment for supply of UTM & Media Converters will be released only after the total installation and commissioning/interface to the network.	
7.3	The bidder shall comply with all the welfare regulations (PF no. and ESI no./Medical policy) for the labor involved in executing the contract.	
7.4	Maintenance should not be sub-contracted. The maintenance engineers posted at site shall be direct employees of the bidder.	

Sl. No.	DESCRIPTION / SPECIFICATION	BIDDER'S OFFER
7.5	In case a service engineer leaves the bidder organization, a suitable substitute resource shall be provided, with the approval of BHEL, within a week.	
7.6	Bidder shall arrange for a visit of BHEL Team to a site where a similar system has been installed by the bidder.	
7.7	During the period of 2 Years all defective parts / modules shall be replaced / rectified free of Cost without any cost implication on BHEL.	
7.8	Bidder to submit duly filled in and signed copy of No Deviation Certificate as per format enclosed at Annexure I	
7.9	Bidder to submit duly filled in and signed copy of THIRD PARTY NON-DISCLOSURE AGREEMENT as per format enclosed at Annexure II	
7.10	Bidder to submit duly filled in and signed copy of Past Experience of Similar Executed Projects as per format enclosed at Annexure III	

Annexure-II

HPVP BHEL - VISAKHAPATNAM	THIRD PARTY NON- DISCLOSURE AGREEMENT	
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I, _____, on behalf of the (Name of Company), acknowledge that the information received or generated, directly or indirectly, while working with HPVP, Visakhapatnam on contract is confidential and that the nature of the business of the HPVP, Visakhapatnam is such that the following conditions are reasonable, and therefore:

I warrant and agree as follows:

I, or any other personnel employed or engaged by our company, agree not to disclose, directly or indirectly, any information related to the HPVP, Visakhapatnam Without restricting the generality of the foregoing, it is agreed that we will not disclose such information consisting but not necessarily limited to:

- Technical information: Methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs/data/configuration and research projects.
- Business information: Customer lists, project schedules, pricing data, estimates, financial or marketing data,

On conclusion of contract, I, or any other personnel employed or engaged by our company shall return to HPVP, Visakhapatnam all documents and property of HPVP, Visakhapatnam, including: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to HPVP, Visakhapatnam's business, or in any way obtained by me during the course of contract. I further agree that I, or any others employed or engaged by our company shall not retain copies, notes or abstracts of the foregoing.

This obligation of confidence shall continue after the conclusion of the contract also.

I acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the HPVP, Visakhapatnam and are reasonable given the nature of the business carried on by the HPVP, Visakhapatnam I agree that this agreement shall be governed by and construed in accordance with the laws of country.

I enter into this agreement totally voluntarily, with full knowledge of its meaning, and without duress.

Dated at _____, this _____ day of _____, 20__.

Name of the Company Signature

Annexure-III

Past Experience Of Similar Executed Projects

SL N O.	DESCRIPTION OF WORK	POSTAL ADDRESS OF CLIENT & NAME OF OFFICER IN CHARGE	CONTRA CT VALUE	STARTI NG DATE	E-mail	Fax Number

SIGNATURE OF BIDDER :

NAME OF BIDDER :

COMPANY SEAL :

COMMERCIAL TERMS AND CONDITIONS FOR SUBMISSION OF OFFER**1.0 QUOTATIONS**

Bidders shall submit the offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.

Envelope I: This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked “**Part I – Technical and Un-priced commercial bid**” Indicating Tender No., Due Date and Address & Reference of the Bidder.

Envelope II: This sealed envelope should contain price details this envelope should be clearly marked “**Part II - Price bid**” indicating Tender No., Due Date and Address & Reference of the Bidder.

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, super scribing as Part I and Part II of Tender No., due date of opening and the address and reference of the Bidder

The above offer should reach this office on or before the due date by 14.00 Hrs (IST)
Tender should not be addressed to any Individuals name but only designation to

Sr. Manager (MM)
BHARAT HEAVY ELECTRICALS LIMITED
HEAVY PLATES & VESSELS PLANT
VISAKHAPATNAM - 530 012 (A P), INDIA.

Tenders should be free from CORRECTION AND ERASURES. Corrections if any must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

Offers should be in ENGLISH and accompanied by technical literature catalogue and detailed dimensional drawings in ENGLISH or otherwise the offers will not be considered.

2.0 PART I (TECHNICAL & UN-PRICED COMMERCIAL BID)**2.1 Technical**

This part shall include / indicate the following:

- 2.1.1. Offer should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.
- 2.1.2. Point by point confirmation for the Technical Specification enclosed is to be provided. If there are any deviations the same should be clearly specified. Offers received without conformation to our specification will be rejected.
- 2.1.3. List of customers to whom same or similar equipment have been supplied along with performance certificates to be enclosed.
- 2.1.4. Relevant catalogue to be attached.
- 2.1.5. List of spares parts (with part numbers) for two years operation and maintenance should be attached.

2.1.6. Information on shipping weight and cubage (length, width & height) to be provided

2.1.7. In case of foreign bidder offer, the Principal's technical offer only should be enclosed.

2.2 Un-Priced Commercial

This part shall include / indicate the following

2.2.1. Port of shipment / Station of dispatch

2.2.2. Terms of payment

2.2.3. FOB/FCA price along with freight charges up to Chennai port (for foreign bidders) Ex-works/FOR Dispatch Station price along with freight charges up to BHEL Visakhapatnam (for Indian bidders)

2.2.4. Taxes, Service tax & duties including Cess applicable.

2.2.5 Delivery Schedule

2.2.6. Filled-in check list to be enclosed

2.2.7. Offer validity

2.2.8. Country of origin

2.2.9. Percentage of agency commission if any along with a copy of Agency agreement The FOB/FCA/CFR Prices quoted shall include the agency commission.

2.2.10. A copy of "Un-Priced Part II 'i.e., a copy of the Price Bid without the price details to be enclosed.

2.2.11 BHEL Visakhapatnam is eligible for availing CENVAT / VAT credit on both inputs and capital inputs. The suppliers invoice should separately indicate the amount of duty / taxes and should invariably mention the following details:

1. The Central excise registration number, range division and commission rate of the supplier's jurisdiction.
2. The rate of duty and 8 digit central excise tariff heading of the item supplied.
3. The TIN, VAT, CST registration number of the supplier.

The duplicate copy of the invoice is required for availing CENVAT credit and original copy for availing VAT credit, if purchased within the state.

In case of foreign bidders the duplicate copy of the electronic Bill of Entry along with TR6 challan should be made available for availing CENVAT credit on CVD, Cess (S) and SAD.

3.0 **PART II (PRICE – BID)**

This part should contain the schedule of price particulars and to be co-related to the technical details provided in Part-I

4.0 **OPENING OF TENDERS**

The Part I – Technical & un-priced commercial bid alone would be opened on the Tender opening date.

The Part II – Price bid of technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the Price Bid opening date. Clarifications if any required by BHEL Visakhapatnam FOR Technical evaluation / commercial evaluation would be sought from Bidders before opening of Part II – price bid.

GENERAL

5.1 Incomplete offers will not be considered.

5.2 **Fixed priced:** Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order A bid submitted with an adjustable price will be treated as non- responsive and rejected Prices shall be written in words and figures. In the event of difference, the price in words shall be valid and binding. Unit prices shall be considered correct in the event of any discrepancy with regards to total price.

5.3 **Bid currency:** Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their home currency, which should be clearly indicated in the un-priced commercial bid as well as in the price bid. Price bid opening date/ RA date will be considered as effective date for considering exchange rate to evaluate the offers.

- 5.4 **Terms of Delivery:** Bidders are required to quote their best delivery period. Foreign Bidders should submit their offer for net FOB/ FCA – Nearest Sea Port / Air Port as well as CFR / Chennai Seaport/ Airport. Freight charges up to Chennai port to be indicated separately. Indian Bidders should submit their offer for Dispatching station as well as FOR BHEL Visakhapatnam basis. Freight charges from works to BHEL Visakhapatnam to be indicated separately. Delivery from the date of Letter of Intent to be mentioned in the offer.
- 5.5 **Taxes and Duties:** All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No/ Tariff No. etc, failing which the purchaser will not be liable for payment of such Taxes and Duties (Our TIN No.28280189432, APGST No. VSP/04/1/1023 dated 24.08.1968. CST No.VSP/04/1/1012 dated 24.08.1968 & BHEL Visakhapatnam ECC No AAA CB 7076 N-XM001. Assessment circle Visakhapatnam.)
- 5.6 **Validity:** The offers for main equipment and spares shall be kept open for acceptance for a period of 120 days (one hundred and twenty days) from the dates of opening of the tender (part I)
- 5.7 **Terms of Payment:**
- 5.7.1 **Indian Bidders:**
80% payment (80% of basic price + 100% Taxes) will be made within 45 days of receipt of material and balance 20% will be made after acceptance of material/commissioning of the equipment at BHEL, Visakhapatnam and on submission of Performance Bank Guarantee for 10%.
- 5.7.2 **Foreign Bidders**
An Irrevocable letter of Credit shall be established for 80% of FOB/FCA/CFR/ (excluding Indian Agent's commission) 2 months prior to shipment and valid for 3 months for negotiation against shipment Letter of Credit shall be opened through a branch of State Bank of India in the country where order shall be placed. In case, in the country where order is placed, State Bank of India is not there, Letter of Credit will be confirmed by foreign banker. Balance 20% of FOB/FCA/CFR value shall be paid through sight draft on Commissioning & acceptance of the equipment at BHEL Visakhapatnam, against submission of 10% performance bank guarantee. All Bank charges outside India are to supplier's account. Lump sum erection and commissioning charges if any, shall be payable after satisfactory erection & commissioning of the equipment by sight draft against certificate issued by the competent authority.
- 5.7.3 **Common to both India & Foreign Bidders.**
Erection & Commissioning (E&C) charges will be released after deduction of Income Taxes as per the Govt. of India rules. The TDS certificate will be issued by BHEL. Applicable service tax on E&C charges will be payable extra. The liability of depositing the same to the Govt. will be of the supplier.
- 5.7.4 **Loading criteria common to both Indian and foreign bidders:** Vendor should accept the payment terms specified above. However for any deviation to the payment terms offered with reference to the above criterion will be loaded with prime lending rate of SBI prevailing on date of opening of price bid + 2%, which shall be computed for the differential period between BHEL Visakhapatnam terms of payment and the offered basic price.
- 5.8 DUNS number (allotted by M/s. DUN & Bradstreet) shall be mentioned in your offer.
- 5.9 **Guarantee:** The equipment shall be guaranteed for a period of 18 months from the date of supply or 12 months from the date of commissioning and acceptance whichever is earlier.
Offers from vendors not accepting to the requested guarantee period will be rejected.

- 5.10 **Contract Execution Bank Guarantee (CEBG):** The successful tenderer shall furnish a Bank Guarantee from any Nationalized Bank for 5% of Purchase Order value (FOR Dispatching station value – Excluding taxes, duties, freight & insurance – for Indian bidders) & (FOB/FCA value – excluding freight & insurance – for foreign bidders) confirming that the order will be executed as per the terms and conditions and this should be valid till final dispatch date (LR/GR/BL/AWB) with additional 2 months claim period. Letter of Credit will be processed only after receipt of CEBG. The CEBG is to be furnished within 3 weeks from the date of Purchase order.
Offers from vendors not accepting to submit CEBG will be rejected.
- 5.11 **Performance Bank Guarantee (PBG):** The supplier shall furnish a Bank guarantee from any Indian Nationalized Bank approved by BHEL Visakhapatnam in the format, given by BHEL Visakhapatnam along with purchase order for 10% of the Purchase Order value (FOR Dispatching station value – Excluding taxes, duties, freight & insurance – for Indian bidders) & (FOB/FCA value – excluding freight & insurance – for foreign bidders) valid for period of guarantee with additional claim period of 2 months.
Offers from vendors not accepting to submit PBG will be rejected.
- The CEBG & PBG shall be obtained from any Indian Nationalized Bank/ Scheduled Commercial Banks.
- 5.12 **Liquidated damages:** Delivery of the goods specified in the purchase order should be made within the time prescribed. Failure to dispatch the materials in the time as per the delivery quoted in our Purchase Order would make the supplier liable to an un-conditional penalty at the rate of ½% of the value of goods for each week of delay subject to a maximum of 10% of the Purchase Order value.
- 5.12.1 **Loading Criteria for Liquidated Damages:** Any deviation from above LD Clause to the extent for which LD is not agreed by the vendor i.e., differential % value will be loaded on basic price, e.g. If some vendor agrees for say maximum of 6% LD then his price will be loaded by 4% (10 – 6) of his quoted basic price.
- 5.13 **Risk purchase:** If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL Visakhapatnam will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order.
Offers from vendors not accepting the above Risk Purchase terms will be rejected.
- 5.14 **Indian Agent & Agency commission:** An Indian Agent can represent only one Foreign Manufacturer against a particular Tender. The FOB/FCA/CFR price quoted by the Foreign bidder shall include the agency commission. However, the agency commission component payable to their Indian Agents shall be shown separately in the offer. This will be paid by BHEL Visakhapatnam in India Rupees, on satisfactory commissioning & acceptance of the equipment. Copies of current Agency Agreement / Authorization Letter in respect of Agency Commission shall be furnished along with offer. For calculation of Rupee equivalent of Agency Commission exchange rate as prevailing on the date of Purchase Order will be taken.
- 5.15 **Short shipment / Warranty replacement:** In case of any short shipment in the main equipment / spares, customs duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the warrantee period shall be on FOR, BHEL Visakhapatnam, basis.

- 5.16 **Inspection & Testing:** All goods shall be subject to inspection by BHEL Visakhapatnam or its authorized representatives at supplier's works or at BHEL Visakhapatnam stores. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools the machine would be inspected and proved at supplier's works prior to dispatch however, final inspection and acceptance of the machine will be carried after installation of the machine at BHEL, Visakhapatnam.
- 5.17 **Operating and Maintenance manuals:** The Bidders shall clearly mention in their offer that Operating Maintenance Manuals as called for in the Technical Specification in the required number of copies will be provided.
- 5.18 **Cenvat & VAT credit. (for Indian Bidders only):** The quotation must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case charges to us. If the bidder is availing Cenvat credit for his input materials, the effect of proforma credit should be passed on to the purchaser.
- 5.19 **Packing:** The Supplier shall arrange for packing suitably in all respects considering the peculiarity of the material involves for normal transport by sea / air / rail road and suitably protected against effect of tropical salt laden atmosphere in the event of shipment being delayed at ports.
- 5.20 **Salient Points of HSE** (Health, Safety & Environment) that are to be considered while submissions of offer are:
- 5.20.1 Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuels/chemicals)
- 5.20.2 Competency requirements for operation, maintenance and calibration, if any, shall be communicated
- 5.20.3 If any Hazardous chemicals as per MSIHC (Manufacturing, Storage and import of Hazardous Chemicals) Rules 1989/94/2000 are used, the MSDS shall be provided, along with on site & OFF site emergency plan (as applicable).
- 5.20.4 The noise level at operator level shall be within 90 DbA
- 5.20.5 OH&S (Occupational Health and Safety) control measures for safe working of machine as applicable shall be specified
- 5.20.6 The machine/equipment shall be fitted with guard for rolling and moving parts and shall comply with applicable OH&S legislations and Factories Act 1948
- 5.20.7 The supplier shall submit the layout drawing of operating controls, displays etc and operating instructions to enable ergonomics evaluation and approval
- 5.20.8 The recommended PPE (Personal Protective Equipment) for the equipment shall be furnished
- 5.20.9 Alarm System (both visual and audible) and Automatic switch off of the equipment shall be provided for any intrusion, overloading, short circuiting or any malfunctioning of the equipment.
- 5.20.10 Details of all hazardous / harmful substances discharges as by-products / wastes during operations of the machine / equipment, such as fumes, gases, dust particles, aerosols UV./IR (Ultra violet / Infra red) radiations, etc shall be furnished, along with their concentrations and their TLV, (Threshold Limit Value)

- 5.20.11 Appropriate pollution control measures shall be proposed to keep the emissions from the machinery / processes within the prescribed limit as stated in Environment Protection Rules 1986.
- 5.20.12 All furnaces, process units, DG sets, paint booths, shot blasting chambers, etc shall be provided with stack(s) of sufficient height as per guidelines laid down in the Environment Protection Rules 1986.
- 5.20.13 wherever industry specific standards are not available for control of pollutants, general emission standards shall be used
- 5.20.14 Chemicals banned due to their negative impact on the environment shall not be used on the process
- 5.20.15 Fuels with sulphur content less than 0.05% shall be proposed.
- 5.20.16 Details regarding nature of waste generated and appropriate disposal practices available shall be provided, along with the operation procedure of the plant / process.
- 5.20.17 Hazardous chemicals and flammable substances shall be transported only through authorized transporters and all safety practices as laid down in applicable legislative requirements such as Central Motor Vehicle Rules, Manufacture, Storage and Import of Hazardous Chemical 1989, etc. shall be followed.
- 5.20.18 Primary materials used in the equipment shall be specified and they shall be eco - friendly.
- 5.21 Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL Visakhapatnam).
- 5.22 BHEL Visakhapatnam also reserves its right to allow to the Public Sector Enterprises ordering and price preference facilities as admissible under the existing policy.
- 5.23 BHEL Visakhapatnam reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at another project / unit.
- 5.24 BHEL Visakhapatnam shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL Visakhapatnam.
- 5.25 BHEL Visakhapatnam reserves the right to go for a Reverse Auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions governing RA are given below.

GENERAL TERMS AND CONDITIONS OF RA (REVERSE AUCTION)

Against this enquiry for the subject item/system with detailed scope of supply as per enquiry specifications. BHEL Visakhapatnam may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING ON INTERNET.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL Visakhapatnam will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
3. BHEL Visakhapatnam will inform the vendor in writing in case of reverse auction, the details of service provider to enable them to contact & get trained.

4. Business rules like event date, time, start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
 5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event.
 6. BHEL Visakhapatnam will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL Visakhapatnam like Packing & Forwarding charges, taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL Visakhapatnam standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
 7. Reverse auction will be conducted on scheduled date & time.
 8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
 9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL Visakhapatnam through Service provider within 24 hours of Auction without fail.
 10. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL Visakhapatnam as per prevailing procedure.
 11. In case BHEL Visakhapatnam decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL Visakhapatnam shall be opened as per BHEL Visakhapatnam's standard practice.
- 5.26 **Force Majeure clause:** If at the time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist, if the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser of the particulars of the events and supply to the purchaser if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

CHECK LIST

Bidder's acceptance to BHEL Visakhapatnam's Standard Commercial Terms & Conditions.

Applicable for Indian bidders

(To be submitted along with the offer – please do not change the format)

BHEL Visakhapatnam Tender No: & Date:	Bidders Confirmation / response
Prices have been quoted on "FIRM PRICE" basis only (Yes / No)	
Prices have been quoted on "F.O.R BHEL Visakhapatnam" basis only (Yes / No)	
P & F (Please confirm whether included or not)	
Freight (Please confirm whether included or not)	
Insurance (Please confirm whether included or not)	
Validity of offer (we require a minimum period of 120 days from the date of Tender Opening – please Specify)	
Sales Tax (please Specify)	
Excise Duty (please Specify)	
Delivery period from the date of Purchase Order (please Specify). A loading @ ½ % of the Purchase Order value per week will be done for the grace period requested. For evaluation 4 weeks will be considered as one month. Vendors quoting a delivery period beyond the 'the requested delivery plus the allowed grace period' is liable for rejection.	
Liquidated damages as per clause 5.12 (we require acceptance to @ ½% per week subject to a maximum of 10%) (Yes / No)	
Risk Purchase as per clause 5.13 (Yes / No) (Offers from vendors not accepting the Risk Purchase terms will be rejected)	
Payment terms (As per Clause No. 5.7.1) (Yes / No)	
Contract Execution Bank Guarantee (CEBG) as per Clause 5.10 (Yes / No) (Offers from vendors not accepting to submit CEBG will be rejected)	
Performance Bank Guarantee (PBG) as per Clause 5.11 (Yes / No) (Offers from vendors not accepting to submit PBG will be rejected)	
Guarantee as per clause 5.9 (The equipment shall be guaranteed for a period of 18 months from the date of supply or 12 months from the date of commissioning and acceptance whichever is earlier) (Yes / No) (Offers from vendors not accepting to the guarantee period will be rejected)	
Inspection (please Specify the Place of Inspection)	
Erection & Commissioning/ Installation/ Training (Please confirm whether charges are included in the total cost or not)	
Approximate Net Weight of the total Consignment	
Approximate Gross Weight of the total Consignment	

Signature & Office Seal of the bidder

CHECK LIST

Bidder's acceptance to BHEL Visakhapatnam 's Standard Commercial Terms & Conditions.

Applicable for foreign bidders (To be submitted along with the offer – please do not change the format)

BHEL Visakhapatnam Tender No: & Date:	Bidders Confirmation / response
Prices have been quoted on "FIRM PRICE" basis only (Yes / No)	
Prices basis (FOB/CFR/CIF – Please Specify)	
Insurance (Please confirm whether included or not)	
Validity of offer (we require a minimum period of 120 days from the date of Tender Opening – please Specify)	
Currency in which quoted (please Specify)	
Port of loading (please Specify)	
Country of Origin (please Specify)	
Delivery period from the date of Letter of Intent (please Specify) A loading @ ½ % of the Purchase Order value per week will be done for the grace period requested. For evaluation 4 weeks will be considered as one month. Vendors quoting a delivery period beyond the 'the requested delivery plus the allowed grace period' is liable for rejection.	
Liquidated damages as per clause 5.12 (we require acceptance to @ ½% per week subject to a maximum of 10%)	
Risk Purchase as per clause 5.13 (Offers from vendors not accepting the Risk Purchase terms will be rejected) (Yes / No)	
Payment terms (As per Clause No. 5.7.2)	
Agency commission (refer clause 5.14)	
Contract Execution Bank Guarantee (CEPG) as per Clause 5.10 (Yes / No) (Offers from vendors not accepting to submit CEBG will be rejected)	
Performance Bank Guarantee (PBG) as per Clause 5.11 (Yes / No) (Offers from vendors not accepting to submit PBG will be rejected)	
Guarantee as per clause 5.9 (The equipment shall be guaranteed for a period of 18 months from the date of supply or 12 months from the date of commissioning and acceptance whichever is earlier). (Offers from vendors not accepting to the requested guarantee period will be rejected) (Yes / No)	
Inspection (please Specify)	
Erection & Commissioning/ Installation/ Training (Please confirm whether charges are included in the total cost or not)	
Dimension of the Largest Part (please Specify)	
Packing Schedule (No of containers and their Sizes) (please Specify)	
Approximate Net Weight of the total Consignment (please Specify)	
Approximate Gross Weight of the total Consignment (please Specify)	

Signature & Office Seal of the bidder