

Pre Bid Response & Corrigendum Document

For

Supply and commissioning of Networking Equipment in the State of Chhattisgarh under upgradation of CGSWAN Project



**CHhattisgarh infotech & biotech Promotion Society
(CHiPS)**

**State Data Center Building, Near Police Control Room,
Civil Line Raipur, Chhattisgarh-492001**

Tel: 0771-4014158 Email: ceochips@nic.in, Website: www.chips.gov.in

Tender Reference Number:

2nd Call for 16/CEO/ CHiPS /SWAN/UPGR /2016
01/10/2016

Project Name:

Supply and commissioning of Networking Equipment in the State of
Chhattisgarh under upgradation of CGSWAN project

Reference Number:

Corrig1/CEO/CHiPS/SWAN/UPGR/2016

Dated 17/10/2016

Last date and time for submission of bids:

20th October 2016 up to 03:00 PM

Physical Submission of EMD/DD:

20th October 2016 at 03:00 PM to 5:00 PM

Date of Technical Bid Opening:

21st October 2016 at 11:30 AM

Important Note:-

Bidders are requested to submit a signed copy of this corrigendum with Bid Submission in e-Procurement Portal.

Pre-Bid Response for Tender No. 2nd Call for 16/CEO/ CHiPS /SWAN/UPGR /2016 dated 01/10/2016

S. No	Page No.	Product	Existing Specification	Clarification/Changes Sought	Justification	Response from CHiPS
1	30	District Router	70Mpps or more unblocking on all port on 64 bytes packet or more, Back plane performance of at least 100 Gbps is required. The router should have 16K of IPv4 and 16 K IPv6 routes.	Kindly request you to change the clause to, "70Mpps or more unblocking on all port on 64 bytes packet or more, Back plane performance of at least 128 Gbps is required. The router should have 16K IPv4/IPv6 routes."	In all state wide projects, the router throughput has been kept at a higher number so as to be able to accommodate every service that the state government wants to run on it, today and in the future. Therefore, kindly request you to relook at the router throughput.	As per RFP
2	29	District Router	Gigabit Ethernet Ports 4 x 10/100/1000Mbps, 2 x 1000Base- SX/LX.	Kindly request you to change the clause to, "Gigabit Ethernet Ports 4 x 10/100/1000Mbps, 4 x 1000Base- SX/LX. "	It is imperative that atleast 2 ports are kept as spare to be used in case they are required suddenly.	As per RFP
3	29	District Router	Console port 1 and two free slots for future expansion.	Console port 1 and four free slots for future expansion.	CG-SWAN is a prestigious and extremely crucial network. With the vision of enabling multiple services on this network, it is important that the router have atleast 4 empty slots for future expansion available.	As per RFP
4		District Router	New Clause	Request you to kindly include, " The Router should have an operating temeperature of atleast 0 - 50 degC."	The district routers will be placed in a various areas. Since the environmental parameteres willv ary form place to place, it si important to ensure that the router is able to withstand the same. Therefore, kindly request you to ensure that	As per RFP

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					the rotuer is temperature hardened.	
5	31	Core Switch	20 x 10G SFP+ ports	48 x 10G SFP+ ports	The Core switch forms the termination point of multiple devices/infrastructure in SWAN networks. Therefore, it is advised to increase the number of ports to 48x10G.	As per RFP
6	31	Core Switch	The switch should be EAL 3/NDPP certified under Common Criteria.	Kindly request you to remove this clause.	The latest products from OEM generally take around 6-8 months to get evaluated and certified for the common criteria. It is our humble suggestion that this clause maybe removed so that CG-SWAN can utilise the latest products available in the market.	As per RFP
7	Annexure-I, Technical Component, Page No. 30, Point -1 (Performance)		70Mpps or more unblocking on all port on 64 bytes packet or more, Backplane performance of at least100 Gbps is required. The router should have 16K of IPv4 and 16 K IPv6 routes	55Mpps or more unblocking on all port on 64 bytes packet or more, Backplane performance of at least 60 Gbps is required. The router should have 1Mil of IPv4 and 1 Mil IPv6 routes.	The Interface asked in the tender are 4 X10/100/1000 + 2 1000 Base X = 6 GBPS , Considering the scalability of 10 times it comes to be 6X10=60 Gbps . Request to amend the back plane performance to 60Gbps for leading OEM to participate .	As per RFP

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8	Annexure-I, Technical Component, Page No. 30, Point -1 (Performance)		70Mpps or more unblocking on all port on 64 bytes packet or more, Backplane performance of at least100 Gbps is required. The router should have 16K of IPv4 and 16 K IPv6 routes	55Mpps or more unblocking on all port on 64 bytes packet or more, Backplane performance of at least 60 Gbps is required. The router should have 1Mil of IPv4 and 1 Mil IPv6 routes.	The Routing scale is important for SWAN network , 1 Mil Route will ensure the network growth without any additional investemnet when network grows . This will also ensure that product provided will have optimum performance when route scale will increase by virtue of servcies or sites .Request to amend the clause for Optimum network performance .	Please read as below " 70Mpps or more unblocking on all port on 64 bytes packet or more, Backplane performance of at least100 Gbps is required. The router should have 50K of IPv4 and 50K IPv6 routes "
9	Annexure-I, Technical Component, Page No. 30, Point -2		IP Sec 3DES/AES, VPN for configuration of VPN tunnels. The solution should offer this featureeither internally or externally	IP Sec 3DES/AES, VPN for configuration of VPN tunnels. The solution should offer this feature either internally or externally with minimum performance of 2Gbps with minimum 2K tunnels	IPSEC perfomance along with number of tunnels is important when IPSEC is asked as a mendatory feature . We strongly recommend to have atleast 2 Gbps of IPSEC through put for traffic encryption with minimum 2K tunnels . This will provide investement protection and also ensure optimum network performance when IPSEC is enabled .	As per RFP

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10	Annexure-I, Technical Component, Page No. 30, Point -5		Random Early Detection , Weighted Fair Queuing, Selective Packet Discard	Random Early Detection , Weighted Fair Queuing, or any congestion avoidance mechanism	QOS is implement and supported to provide the preference to critical traffic during congestion . Different OEM have different way to implement with same end result . Selective packet discard is old technique used in Low scale CPU routers and is specific to implitation way of one OEM . Request tp amend for leading OEM to participate .	Please read as below " Random Early Detection , Weighted Fair Queuing, Selective Packet Discard/ any congestion avoidance mechanism "
11	Annexure-I, Technical Component, Page No. 30, Point -1		IP Multicasting	IP Multicasting with minimum 8K multicast route	Multicast support and performance is essential for CGSWAN , we recommend to have atleast 8K multicast route support on the router for the optimum implementation of multicast services .	IPv4 and IPv6 Multicast routes should support

Corrigendum and Addenda:-

A. The following Addenda are to be read, as mentioned below at **Page no.30, in Annexure - I at Technical Specification and Compliance Sheet on S No. 1, District Router, Hardware Performance**

S No.	Item Details	Item Specifications
1	District Router	Performance
		70Mpps or more unblocking on all port on 64 bytes packet or more, Back plane performance of at least 100 Gbps is required. The router should have 50K of IPv4 and 50K IPv6 routes.

B. The following Addenda are to be read, as mentioned below at **Page no.30, in Annexure - I at Technical Specification and Compliance Sheet on S No. 1, District Router, IP Multicasting**

S No.	Item Details	Item Specifications
1	District Router	IP Multicasting
		IGMPv1&v2, PIM-SM, Multicast routes should support both IPv4 and IPv6 routes

C. The following Addenda are to be read, as mentioned below at **Page no.30, in Annexure - I at Technical Specification and Compliance Sheet on S No. 1, District Router, Congestion**

S No.	Item Details	Item Specifications
1	District Router	Congestion
		Random Early Detection , Weighted Fair Queuing, Selective Packet Discard / / any congestion avoidance mechanism "

D. The following Addenda are to be read, as mentioned below at **Page no.33, in Annexure - III at Price Schedule Sr. No. 1,2 &3**

5 years Warranty mentioned for all the items is typography error. Please read **3 years** warranty support as already mentioned in other terms and condition of the RFP.