

Government of India
Ministry of Home Affairs
HQRS DG BSF, 10 CGO COMPLEX, LODHI ROAD, NEW DELHI-3
(COMN DTE: IT WING, FHQ)

No. 48/01/2019/IT/BSF/

Dated, the ___ April, 2019.

Sub: **PUBLISHING OF QRS FOR INVITING SUGGESTION/
FEEDBACK FROM ELIGIBLE VENDERS**

BSF intends to purchase 01 No Servers and other components for supply ,
installation and commissioning at GABP, Mongolia.

2. Feedback from interested venders on the technical specs/QRs published
herewith is invited on following address :-

Commandant (Ord)

Provisioning Directorate

CGO Complex

Lodhi Road

New Delhi – 110003

Email Id- comdtord@bsf.nic.in & edpdte@bsf.nic.in

(Sd/-XXX)
(PRABHAT)
2IC (IT-PROC)

QRS/TDS OF PROCUREMENT OF 01 NO SERVER FOR GABP,

MONGOLIA

Srl No	Name	Details	Unit	Amount	Remarks
Server					
01.	Integration Server	Minimum number of Virtual Machines offered per node	24		The Board recommended that during time of tender, if same model is not available, the latest model of similar configuration or substantially equivalents model may be accepted.
		Number of VCPUs (Physical cores) offered per virtual machine	2		
		RAM (Memory) offered per virtual Machine(GB)	32 GB		
		Storage offered per virtual Machine (GB)	500 GB		
		Hypervisor to be Integrated with SDS	Within Kernel, outside Kernel		
		Integration with Third party FC storage	Others		
		Number of Years of service and support from OEM(A)	5 Years		
		HCI to be software defined or hardware defined	Software defined		
		HCI Support	VMWare		
		If other, indicate HCI support	1. Two numbers of Min 40 Port 10G fully active L3 switch with 2*40 G uplink port per switch to be provided. 2. Vmware Vsphere enterprise licenses to be provided.		
		If other, specify	1. Each node should be configured with 2x intel xeon Gold 5120 CPU, Inline deduplication and compression functionality should be enabled from day one.		
02.	Other Parameters	Types of ports offered per node	10 GBPS : 10 GBase-SFP		
		Compression & Deduplication on Disks	SSD only		
		External FC storage connectivity	True		

		The length of cable connecting the nodes to the switch (mtrs)	5		The Board recommended that during time of tender, if same model is not available, the latest model of similar configuration or substantially equivalents model may be accepted.	
		Automated disaster Recovery Orchestration	True			
		VM-Centric policy-Based management	True			
		Installation, configuration, Migration of application and database from existing hardware, Demonstration	True			
		OEM No of days training provided as site (Days)	5			
03.	DBMS	<u>Oracle 12c DBMS Enterprise Edition</u> -1 Processor License -RAC(Real Application Cluster)	each	2		
04.	Middlewa re	<u>TMAX Middleware</u> -(Load Balancing) – - 200 User License	Each	1		
Storage						
05	Storage	<u>NetApp FAS3220A</u> Usable 10TB (RAID 6)	Set	1		
Network Device						
06	SAN Switch	<u>BROCADE BR300</u> 8G 16 port SAN Switch	Each	2		
07	L4 Switch	<u>Piolinek PAS-K2424</u> L4 Switch	Each	2		
08	Router	<u>CISCO WS-C3750X-24S-S</u> -10/100/1000 UTP 8 Port -SFP TYPE FIBER 8 Port -Redundant Power Supply	Each	2		
09	Firewall	Watch Guard XTM850 -Firewall Throughput: 8Gbps -VPN through put : 1.5 Gbps -Concurrent Session : 500,000	Each	2		

10	Backbone Switch	<u>CISCO WS- C4507R</u> -Redundant Cpu Module -10/100/1000 UTP 48-port with Poe I/O Module -SFP TYPE FIBER 48 Port I/O Module	Each	2	
11	L3 Switch	<u>CISCO WS-C4503E-S7L+48+</u> -10/100/1000 UPT 48 Port -SFP TYPE FIBER 16 Port	Each	2	
12	L2 Switch	<u>CISCO WS-C2960X-48TS-L</u> -10/100/1000 utp 48 Port -SFP TYPE FIBER 4 Port	Each	2	
13	L2 Switch	Netgear JGS516	Each	2	
14	Rack	<u>GNS P707S</u> -42 Unit	Set	2	

(Sd/-xxx)
Vikas Singh
DC(Mod)