

No.C.VII.1/2015-ITW(QRs)-(6) / 544

भारत सरकार/Government of India

गृह मंत्रालय/Ministry of Home Affairs

पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division

संभरण-I डेस्क /Prov.I Desk

Jaisalmer House, 26 Man Singh Road,  
New Delhi, dated the 7<sup>th</sup> Aug, 2015

To,

The DsG: AR, BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

**Subject: QRs and Trial Directives of DSLAM 100 Subscribers.**


Sir,

The undersigned is directed to refer to the subject mentioned above and to say that the QRs and Trial Directives in respect of DSLAM 100 Subscribers as per Annex- "A" and Annex-"B", respectively have been approved by the competent authority in MHA.

2. Henceforth, all the CAPFs should trial evaluate and procure the above item, required by them, strictly as per the laid down QRs.

3. Concerned CAPF will be accountable for correctness of the QRs and Trial Directives of DSLAM 100 Subscribers.

Yours faithfully,

  
(M. N. Sukole)


Under Secretary to the Govt. of India

Encl: As above.

Copy forwarded for necessary action to:

SO (IT), MHA - with the request to host the QRs and Trial Directives of DSLAM 100 Subscribers on official website of MHA (under the page of Organizational Set up, Police Modernization Division-Communication Equipments).

Copy to: DDG (Procurement), MHA

  
(R.K. Soni)

Section Officer (Prov.I)

**QUALITATIVE REQUIREMENTS: DSLAM 100 Subscribers**

APPX - A1  
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SNo	Specification	Qualitative Requirement (Q.R)
1.	ADSL Interface	Support G.992.3 & 992.5 special Mask Support latency path function Support EOC & overhead channel Access 48 ports ADSL/ADSL 2+
2.	Network Interface	IEEE 802.30 100 base Tx IEEE 802.3ab 1000 base T IEEE 802.32 1000 base Lx/1000 base Sx
3.	Bridge Function	VLAN tagging complies with IEEE 802.1Q Support GVRP function Provide 1024 configurable VLANs
4.	Management	Local Management Support SNMP V1.0 & V2 c EMS Supporting
5.	IP Network Interface	Support RFC 2684 Bridged mode Support IGMP VZ Support 256 Multi cast groups
6.	Subscriber Management	Ethernet MAC filtering 64 K Mac address Port isolation function
7.	Power Supply Power consumption	AC input 180 - 230v AC DC input 36 - 72v DC 100 Watts
8.	Weight	Upto 10 Kg
9.	Operating Temp	0 to 50°C
10.	Storage Temperature	-30 to 70°C

*[Signature]*  
Pavitra Chakravarty,  
DC (IT), CRPF

*[Signature]*  
Mayank Kumar Dansena,  
AC (IT), CRPF

*[Signature]*  
P. S. Virk,  
DC (IT), BSF

*[Signature]*  
Col. S. Balakrishnan,  
GC, ESG, NSG

*[Signature]*  
Lt. Col. P. S. Manhas,  
SC, ESG, NSG

*[Signature]*  
Sanjeev Kumar,  
AC, SSB

*[Signature]*  
K. Ramasubramanian,  
Sr. T.D., NIC

*[Signature]*  
Alok Roy Choudhary,  
SSA, NIC

*[Signature]*  
Amarjeet Singh,  
E. ASSTT. DIR., DCPW

*[Signature]*  
Pardeep Yadav,  
AC, ITBP

*[Signature]*  
Sonu Sikarwar,  
AC, CISF

*[Signature]*  
S. M. Hasnain,  
DIG (IT), CRPF

*[Signature]*  
Shailendra Kumar,  
IG (Comn), CRPF

[Approved / Not Approved]

*[Signature]*  
Prakash Mishra, IPS  
DG, CRPF

# TRIAL DIRECTIVE OF DSLAM 100 SUBSCRIBERS

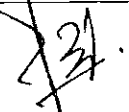
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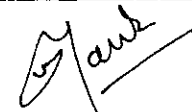
All parameters/specifications mentioned in QRs will be checked by the Board of Officers by ascertaining/verifying following checks in the presence of Vendor/Supplier/Manufacturer. In case of any discrepancies/problem, the vendor/rep of firm will demonstrate the features to the Board of officer of the force concerned. Further, if proper testing instrument for testing these parameters is not available with customer, same will be arranged by the vendor.

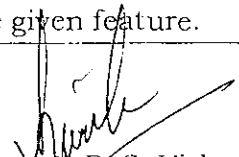
- (a) **Physical Checks.** In this category, specifications of the equipment will be checked physically as per QRs.
- (b) **Functional Checks.** The vendors will show all the features/configuration of the equipment functioning on ground to the board of officers during trials.
- (c) **Submission of Certificates.** Specification which cannot be checked due to lack of testing facilities/expertise, self-certificate of OEM has to be provided by the vendor/bidder during trial.


SNo	Specification	Qualitative Requirements (QRs)	Trial Directive
1.	ADSL Interface	Support G.992.3 & 992.5 special Mask Support latency path function Support EOC & overhead channel Access 48 ports ADSL/ADSL 2+	Board will carry out the functional test of the mentioned parameters. Also, the board will check the OEM compliance certificate submitted by the vendor. In case of any discrepancies/problem, the vendor/rep of firm will demonstrate the features to the Board of officer.
2.	Network Interface	IEEE 802.30 100 base Tx IEEE 802.3ab 1000 base T IEEE 802.32 1000 base Lx/1000 base Sx	The board will carry out the physical check and functional test of the provided specifications and also check the OEM certificate provided by the vendor. Further, in case of any discrepancies/ problem, the vendor/rep of firm will demonstrate the features to the Board of officer
3.	Bridge Function	VLAN tagging complies with IEEE 802.1Q Support GVRP function Provide 1024 configurable VLANs	Board will carry out the physical check as well as functional test of the mentioned parameters. Also, the board will check the OEM compliance certificate submitted by the vendor. In case of any discrepancies/problem, the vendor/rep of firm will demonstrate the features to the Board of officer.
4.	Management	Local Management Support SNMP V1.0 & V2 c EMS Supporting	The board will carry out the physical check and functional test of the provided specifications and also check the OEM certificate provided by the vendor. Further, in case of any discrepancies/ problem, the vendor/rep of firm will demonstrate the features to the Board of officer
5.	IP Network Interface	Support RFC 2684 Bridged mode Support IGMP VZ Support 256 Multi cast groups	The board will carry out functional test of the given specifications and also check the OEM certificate provided by the vendor.


6.	Subscriber Management	Ethernet MAC filtering 64 K Mac address Port isolation function	Board will carry out the physical check as well as functional test of the mentioned parameters. Also, the board will check the OEM compliance certificate submitted by the vendor. In case of any discrepancies/problem, the vendor/rep of firm will demonstrate the features to the Board of officer.
7.	Power Supply Power consumption	AC input 180 - 230v AC DC input 36 - 72v DC 100 Watts	Board will carry out the physical check as well as functional test of the mentioned parameters. Also, the board will check the OEM compliance certificate submitted by the vendor. In case of any discrepancies/problem, the vendor/rep of firm will demonstrate the features to the Board of officer.
8.	Weight	Upto 10 Kg	The board will physically check and assess the weight of the device.
9.	Operating Temp	0 to 50°C	The vendor will provide the OEM certification of the mentioned feature.
10.	Storage Temperature	-30 to 70°C	The vendor will provide the OEM certification for the given feature.

  
Pavitra Chakravarty,  
DC (IT), CRPF


  
Mayank Kumar Dansena.  
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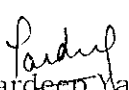
  
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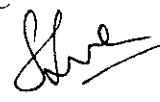
  
Sanjeev Kumar,  
AC, SSB

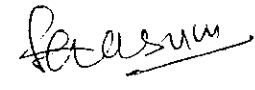
  
K. Ramasubramanian,  
Sr. T.D., NIC

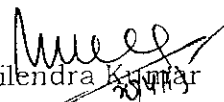
  
Alok Roy Choudhary,  
SSA, NIC

  
Aranjeet Singh,  
E. ASST. DIR., DCPW

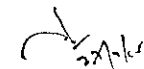
  
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