IIG INFRUSTRUCTURE for BANGLADESH SUBMARINE CABLE COMPANY LIMITED

A Turnkey Project with End-to-End 80 Gbps Throughput

www.bsccl.com.bd

"We wanted to implement IIG (International Internet Gateway) with an ambition to make the broadband internet available to all the people of Bangladesh in cheaper price but better in service quality. Thanks to Spectrum for coming forward with their years long experience and skill and they have made it possible"

- *Name*

Bangladesh Submarine Cable Company Limited (BSCCL) is a Core Telecommunications service provider and International Submarine Cable Operator of Bangladesh. The service provided by BSCCL represents the Long-haul communication between Bangladesh and the rest of the world. BSCCL is a party on behalf of Bangladesh in the SEA-ME-WE-4 (South East Asia-Middle East-Western Europe-4) submarine cable and represents the Nation in the SMW-4 international cable consortium. BSCCL has become a member of the SMW-5 Consortium to join in the newly planned Submarine Cable which will provide more capacity and redundancy for Bangladesh.

www.spectrum-bd.com

A Great Win of Tender: SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF INTERNATIONAL INTERNET GATEWAY (IIG) EQUIPMENT INCLUDING DATACENTER AND OTHER RELATED SERVICES ON TURN-KEY BASIS" for Bangladesh Submarine Cable company Ltd.

What BSCCL Wanted from Spectrum

To build end to end IIG infrastructure from scratch including Physical Data Centre.

Comply all License compliance according to BTRC.

End to end 80Gbps throughput.

High capacity & scalable Lawful Interception Solution.

State of the art Monitoring Solution to meet true on demand requirement.

Option to connect other tire one IIG as well as ISP.

Robust DC power solution with extended backup time up to 8 hours.

Tire 3 standard Data Center design and Built.

A scalable server virtualization platform to cater different network services on demand.

BANGLADESH
SUBMARINE
CABLE
COMPANY
LIMITED

What **Spectrum** Delivered

High capacity Routing at core & aggregation with Cisco ASR 9010 router

High Availability Access layer with Cisco Chassis based switch 4510E

High capacity Scalable DPI solution with Cisco SCE 8000 series

Secured access to the network devices with Cisco ASA 5585 Firewall

High Speed SAN switch from Brocade

Flex pod solution (Cisco UCS, NetApp Storage, VMware) for robust and scalable virtualized cloud infrastructure

Service provider grade monitoring solution from Solar winds

Versatile network service like, DNS, Looking glass, TLD, Route server in Linux platform

Tire 3 Standard Data Center Build

World Class Data Center Infrastructure monitoring solution and integration with SMS gateway. (even Genset fuel level can be monitored remotely)

Firefighting solution from VESDA

State of the Art UPS and cooling solution from Emerson

N+1 power backup via Generator