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**Introduction:**

Purpose of Network DR Project is planned in order to run Endurance Technologies Limited Pune Chakan all the plants in case of disaster in date center.

At Pune location i.e. B-20 plant, ETL is having DC on first floor. All the servers are connected to DC nexus switch by fiber optic and copper cable in between two line cards. This will create redundancy on serer side switch connectivity.

Patching details will be given in separate sheet. Initially two firewalls along with their routers are connected in HA mode at B20 DC.

There are total five plants at Chakan locations. Currently all these plants are connected by fiber and copper cable. They are also having same challenges i.e. failover is not present.

In case of any disaster inside DC or particular building \ plant ,entire plants at Pune location will go off line though having DR setup at K228 plant at Aurangabad location.

Design is prepared and finalized by considering all possibilities in order to have nearby DR setup

As per design, we have planned to setup nearby DR in at plant B-1/3 R&D location. One of the firewall along with router and ISP link and 4500 switch will get shifted to this location by fiber optic cable.

Nearby DR and DC is getting connected each other by two separate 12 core single mode FOC by two different routes. Distribution switches inside the plants will also get connected via alternate DC and nearby DR switches. Even access locations inside the plants will get connected in a ring topology in between two distribution switches as per new design.

This entire design is creating 100% redundancy and in case of disaster at DC, plant will get connected from Aurangabad DR Location.

**SYSTEM HANDOVER REPORT**

**Ref. No**. KTL/ETL /CC-19-20/551 **Date: 05 /01 /2021**

**Client:** Endurance Technologies Limited - Aurangabad

**PO No. & Date: 6500004823** / 25.02.2021

**Project:** Endurance Technologies Limited - Chakan

**System**: Supply, Installation, Testing and commissioning of nearby DR Project at Pune location.

**Dear Sir,**

We have Successfully Supplied, Installed, Tested and Commissioned above mentioned system as per your Purchase Order.

 Following is the final Bill of Material.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Description** | **Unit** |  **Qty.** |
| **1** | Net Work Cabling Charges  | EA | 01 |
| **2** | Installation Charges project Management |  EA | 01 |
| **3**  | Installation ,configuration and commissioning of nexusand commissioning of Nexus | EA | 01 |
| **4** | Project management charges for Aurangabad  | EA | 01 |
| **5** | Configuration of additional switches Pune , Aurangabad Region | EA | 01 |

It is certified that the above system is checked and accepted in satisfactorily working Condition. The Warranty Period for above system is One Year from the date of System Hand Over.

System Handover Date:- 20/ 02/2022

**For Kalyani Technologies Ltd, For ENDURANCE TECHNOLOGIES LIMITED**

Name:- Mr. Mahendra Phapale Name:- Mr. Nandandeep Pawar

ESCALLATION MATRIX

Client: Endurance Technologies limited Aurangabad.

End User: Endurance Technologies limited Chakan.

* Call Log – Mrs. Aparna Bembalkar – 7722006197

Mail address: Aparna.Bembalkar@kalyanitechnologies.com

* Project Engineer- Mr. Mahendra Phapale – 9763715142

Mail Address: Mahendra.Phapale@kalyanitechnologies.com

* Project In charge- Mr. Pratik Sonar – 9096255038

Mail Address: Pratik.Sonar@Kalyanitechnologies.com

* Project Manager- Mr. Shripad Gijare- 9881003145

Mail Address: Shripad.Gijare@kalyanitechnologies.com

**WARRANTY CERTIFICATE**

We, Kalyani Technologies Ltd., having office at Industry House, Opp. Kalyani Carpenter Special Steels, Mudhwa, Pune – 36 are offering you the warranty of **One YEAR.**

This warrantee supersedes any other individual, proprietary, special contracts offered, otherwise specified as on today.

The warrantee is offer as free repairs or replacement at the sole decision of Kalyani Technologies for the parts / equipment supplied.

Any damage occurred because of physical or electrical causes are out of the scope of this warranty.

The final Bill of Quantity attached herewith is the reference document and all other things should be read in conjunction with that.

Client : **Endurance Technologies Limited Chakan**.

PO No & PO Date : 6500004823 / 25.02.2021

Products / Solution Offered: : NETWORK DR PROJECT

Period: : One Year from the Date of Handover.

System Handover Date: 20 / 02 / 2022

Warranty Expiry Date: 19 / 02 /2023

##

Thanks and regards.

Authorized Signatory

For Kalyani Technologies Ltd.