



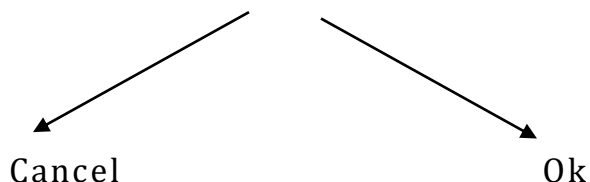
**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
INSTRUMENTATION MANUAL**

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	INST/SOP/020
Issued By: M.R		Approved By: HOD - INSTRUMENTATION	
SOP for checking of X- Ray Analyser			

### Turn -On Procedure

- Turn-On 2 MCB's Main and Generator
- Release the emergency STOP (Red) button.
- Press the Start (Green) button
- Wait for 2 minutes
- Turn on PC
- Enter the USER NAME:ARLSERVICE and PASSWORD:369852147 for PC
- Click OXSAS on desktop
- Login window is displayed
- Enter the USER NAME:DCBL and PASSWORD:DCBL for OXSAS

Displays: Send Instrument Configuration



Click on: cancel if instrument is ON  
Ok if Instrument is restarted .

- To Set Environment,
- Click TOOL->ACTIONS->set Xray chamber Enironment -> select VACCUM and Click OK
- After it is completed, Go to TOOL->ACTIONS->ZERO GONIOMETER-> Select XRF GONIOMETER and Click OK.Wait till the process is complete.
- Repeat the same step.This time select XRD GONIOMETER instead of XRF GONIOMETER.Wait till the process is complete.
- Next Go to TOOLS->ACTIONS->SET XRAY TUBE POWER-> Click ON SLOW->Set 10 Kv and 10mA.
- Wait till the power is set.



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- G. Next do the same procedure and increase the power to 20Kv and 40 mA.
- H. Next do the same procedure and increase the power to 30Kv and 70mA.
- I. Now System is ready for MANUAL operation.
- J. TO change it to AUTO MODE, Click AUTOMATIC MODE in the left corner.
- K. To ensure it communication Click TOOL->MONITORING and TROUBLESHOOTING->MONITORING PHERIPHERAL DEVICES ->OEM
- L. Now a window will open.If there is proper communication between PC and LIMS, the messages I AM HERE and ARE YOU THERE will come continuously.

**Turn -OFF Procedure**

- A. For turning OFF,Go to TOOLS->ACTIONS->SET XRAY TUBE POWER -> Click ON SLOW->Set 20 Kv and 40mA.
- B. After the process is complete,Go to TOOLS->ACTIONS->SET XRAY TUBE POWER -> Click ON SLOW->Set 10Kv and 10mA.
- C. After the process is complete,Go to TOOLS->ACTIONS->SET XRAY TUBE POWER -> Click ON SLOW->select OFF.
- D. Now Press EMERGENCY or Switch OFF the MCB.