



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

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/INST/050
Issued By: M.R		Approved By: HOD - INSTRUMENTATION	
SOP for Engineering System Startup			

**Procedure for Operation:**

- Ensure Power supply cable was connected and Power LED was glowing at rear side of the server.
- Press the power button to startup the Operating Station.
- Wait until display of log in window. If there is no progress in startup or Login window not displayed with in 5 Min please contact the concern for further support.



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- Press Ctrl-Alt-Del Button and provide User name & password to login the system.



- Ensure PN1& PN2 Networking cables are connected in rear side of the server.

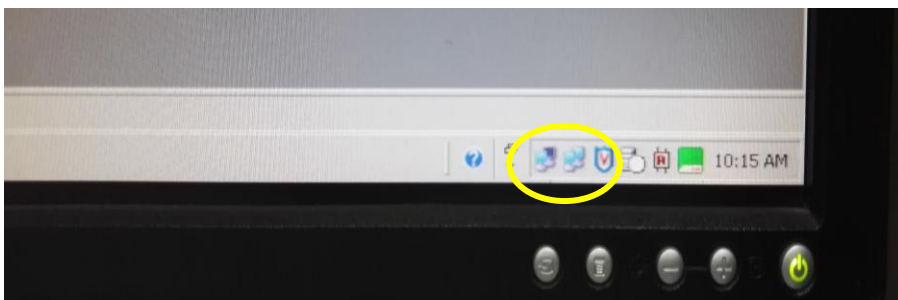


- Ensure PN1 & PN2 Networks is connected at right bottom of the system.

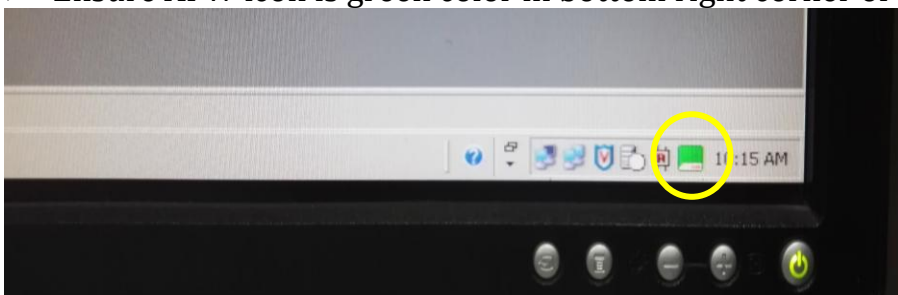


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- Ensure AFW icon is green color in bottom right corner of the system after login.





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- Double click the AFW icon and ensure all Servers services are green color from service status viewer. if it is OK close the Service status viewer.

The screenshot shows a window titled "Afw Service Connection Status -- DCBL". It contains a table with the following columns: Status, Service, Group, Provider, Node, Ignored, and Areas: 1. The table lists various services such as Messenger Server, Calculation Server, Time, Event Collector, Property Transfer, System Message Server, Scheduler, BackupService, Engineering Base Service, Event Storage, System Status, OpCDA\_Connector, Inform IT History, Cross referencing server, Alarm Manager, File Set Distribution, Soft Alarms, AspectDirectory, Lock Server, Engineering XRef Service, Basic History, and Industrial IT Archive. Each service has a status icon (green circle) and a connection status (green lightning bolt).

Status	Service	Group	Provider	Node	Ignored	Areas: 1
●	Messenger Server	SMS_DCAS1	SMS_DCAS1	DCAS1	False	●
●	Calculation Server	IM_IMS	IM_Calculation Server_IMS	IMS	False	●
●	Time	Basic	Time_DCAS1	DCAS1	False	●
●	Time	Basic	Time_CS1	CS1	False	●
●	Time	Basic	Time_CS2	CS2	False	●
●	Time	Basic	Time_IMS	IMS	False	●
●	Time	Basic	Time_CS3	CS3	False	●
●	Time	Basic	Time_DCAS2	DCAS2	False	●
●	Event Collector	ABB 800xA Soft Alarms OPC Server	Event Collector_DCAS1	DCAS1	False	●
●	Event Collector	ABB 800xA Soft Alarms OPC Server	Event Collector_DCAS2	DCAS2	False	●
●	Event Collector	IM_IMS	IM_Event Collector_IMS	IMS	False	●
●	Event Collector	ABB 800xA System Message Server	Event Collector_DCAS1	DCAS1	False	●
●	Event Collector	ABB 800xA System Message Server	Event Collector_DCAS2	DCAS2	False	●
●	Event Collector	AC800M_EVENT_COLLECTOR	EVENT_COLLECTOR_CS1	CS1	False	●
●	Event Collector	AC800M_EVENT_COLLECTOR	EVENT_COLLECTOR_CS2	CS2	False	●
●	Property Transfer	ems	ems1	CS1	False	●
●	System Message Server	Basic	System Message Server_DCAS1	DCAS1	False	●
●	System Message Server	Basic	System Message Server_DCAS2	DCAS2	False	●
●	Scheduler	IM_IMS	IM_Scheduler_IMS	IMS	False	●
●	BackupService	Basic	BackupService_DCAS1	DCAS1	False	●
●	BackupService	Basic	BackupService_DCAS2	DCAS2	False	●
●	Engineering Base Service	Basic	Engineering Base Service_DCAS1	DCAS1	False	●
●	Engineering Base Service	Basic	Engineering Base Service_DCAS2	DCAS2	False	●
●	Event Storage	Basic	Event Storage_DCAS1	DCAS1	False	●
●	Event Storage	Basic	Event Storage_DCAS2	DCAS2	False	●
●	System Status	Basic	System Status_DCAS1	DCAS1	False	●
●	System Status	Basic	System Status_DCAS2	DCAS2	False	●
●	OpCDA_Connector	OPCDA_Control_Network	OPCDA_CS1	CS1	False	●
●	OpCDA_Connector	OPCDA_Control_Network	OPCDA_CS2	CS2	False	●
●	OpCDA_Connector	OPCDA_EMS	OPADA_EMS	CS1	False	●
●	Inform IT History	IM_MIS	IM_MIS	IMS	False	●
●	Cross referencing server	Basic	Cross referencing server_DCAS1	DCAS1	False	●
●	Cross referencing server	Basic	Cross referencing server_DCAS2	DCAS2	False	●
●	Alarm Manager	Basic	Alarm Manager_DCAS1	DCAS1	False	●
●	Alarm Manager	Basic	Alarm Manager_DCAS2	DCAS2	False	●
●	File Set Distribution	Basic	File Set Distribution_DCAS1	DCAS1	False	●
●	File Set Distribution	Basic	File Set Distribution_DCAS2	DCAS2	False	●
●	Soft Alarms	Basic	Soft Alarms_DCAS1	DCAS1	False	●
●	Soft Alarms	Basic	Soft Alarms_DCAS2	DCAS2	False	●
●	AspectDirectory	Basic	AspectDirectory_DCAS1	DCAS1	False	●
●	AspectDirectory	Basic	AspectDirectory_DCAS2	DCAS2	False	●
●	Lock Server	Basic	Lock Server_DCAS1	DCAS1	False	●
●	Lock Server	Basic	Lock Server_DCAS2	DCAS2	False	●
●	Engineering XRef Service	Engineering XRef Service_G0	Engineering XRef Service_DCAS1	DCAS1	False	●
●	Engineering XRef Service	Engineering XRef Service_G0	Engineering XRef Service_DCAS2	DCAS2	False	●
●	Basic History	IM_IMS	Basic History_IMS	IMS	False	●
●	Basic History	Basic	Basic History_CS1	CS1	False	●
●	Basic History	Basic	Basic History_CS2	CS2	False	●
●	Industrial IT Archive	IM_ARCHIVE	IM_ARCHIVE	IMS	False	●



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- Select the My ePlant icon at desktop.



- Right click the My ePlant icon and open the respective workplace for operation.

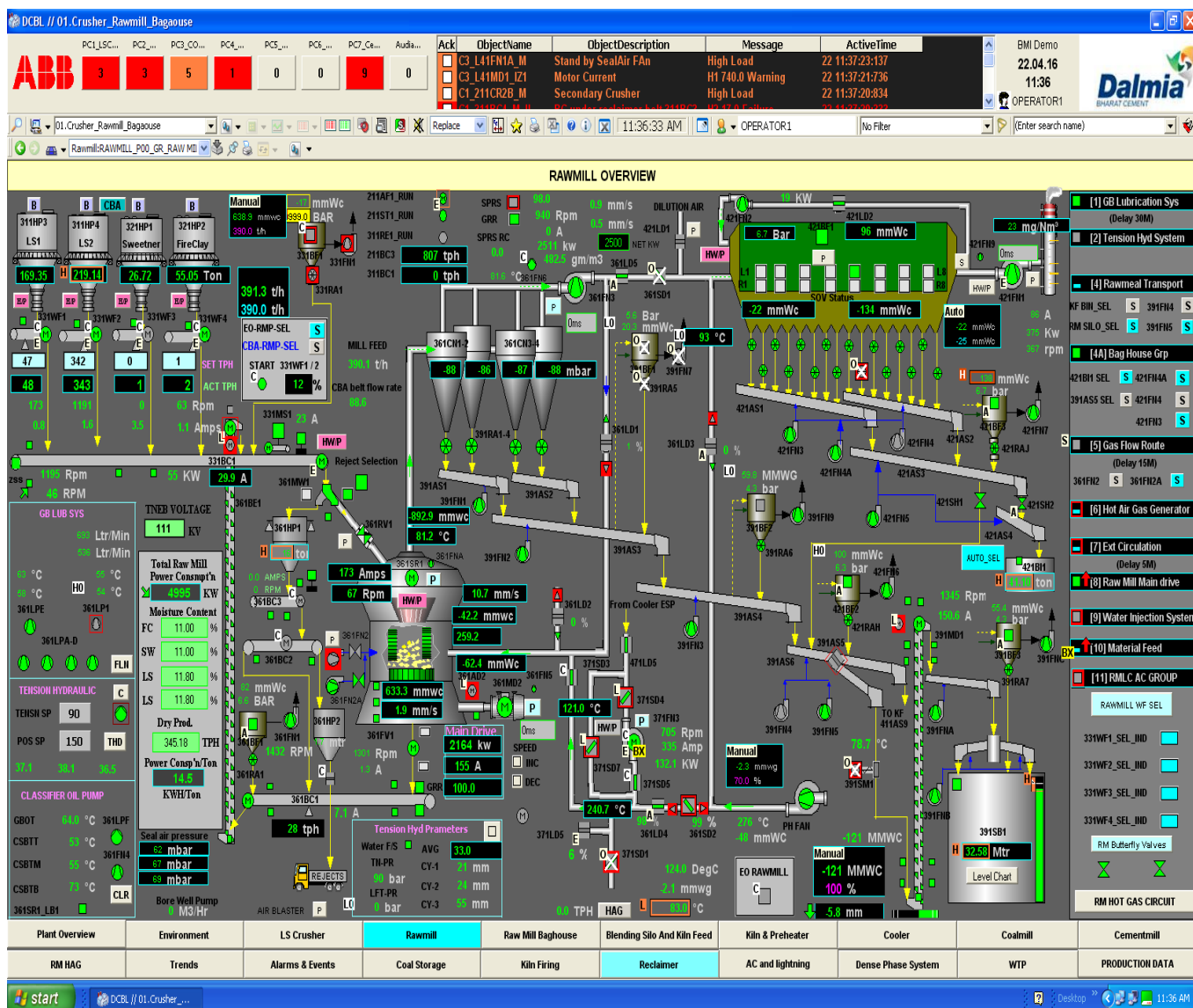




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- After selection of workplace following operating screen will be opened as follow.



- Now system is ready for operation.

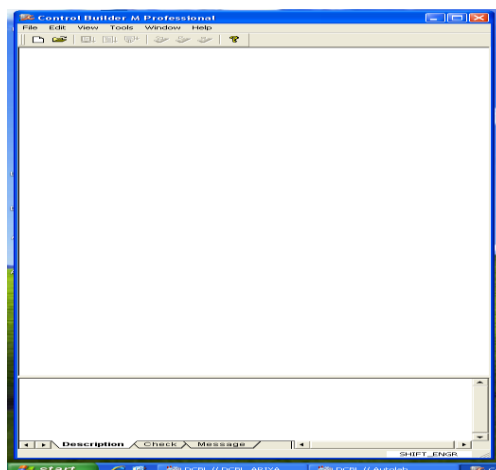
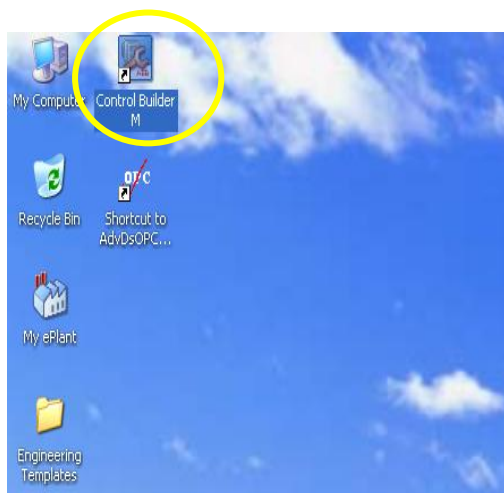


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**Procedure for Program:**

- Double click the Control Builder M Icon at desktop and Program window will be opened.

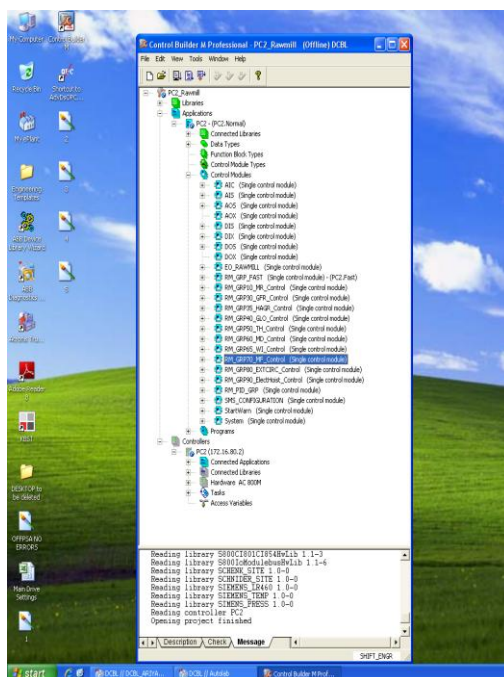
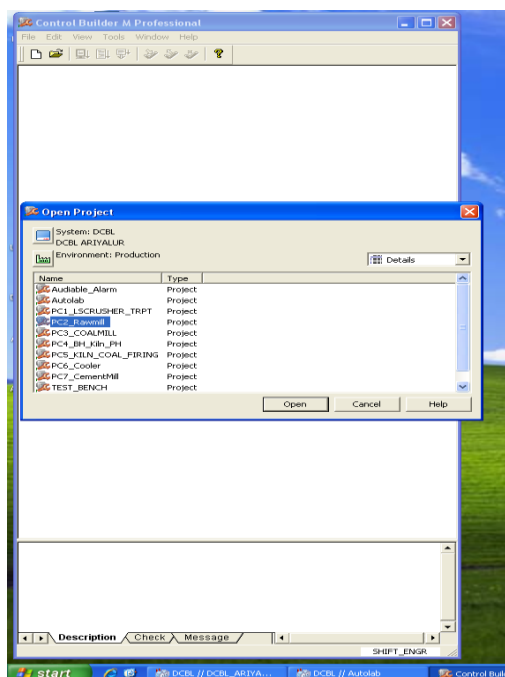


- Click the open menu and select the required controller program and select Open button



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➤ Now Control builder is ready for programming.