	DALMIA CEMENT (B) LIMITED – CEMENT PLANT ARIYALUR INSTRUMENTATION MANUAL	
Issue No. 01	**Rev. No: 02**	**Effective Date: 20.09.2017**	**SOP/INST/047**
Issued By: M.R		**Approved By: HOD - INSTRUMENTATION**
SOP for S7300 PLC UPLOAD & DOWNLOAD PROCEDURE		

Establish the Communication Between PC And PLC:

➢ CONNECT THE SERIAL /USB CABLE ADAPTER FROM LAPTOP TO S7 300 PLC CPU.

➢ FIRST CLICK ON START BUTTON IN LAPTOP.

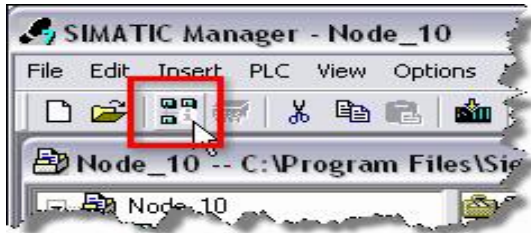➢ SELECT SIMATIC MANAGER FROM THE SOFTWARE LIST

OR

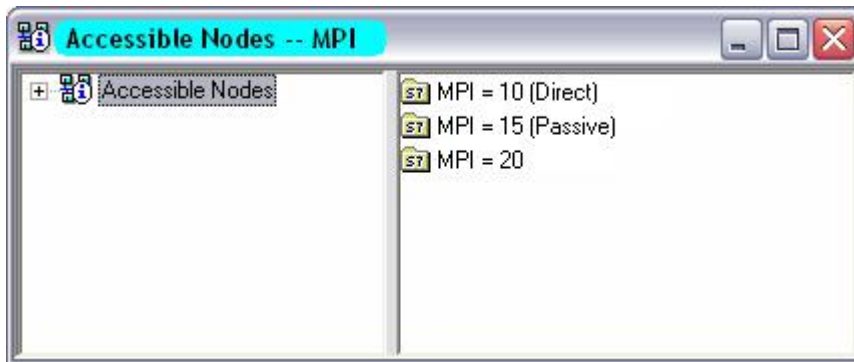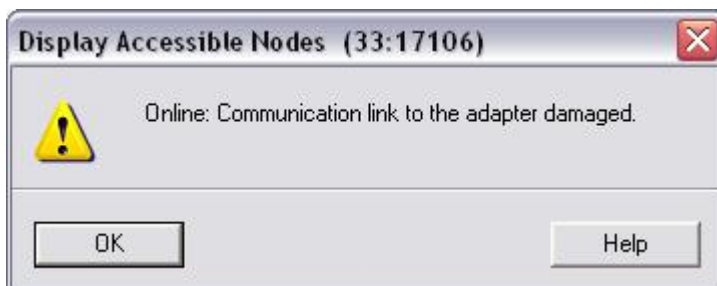➢ OPEN BY ALL PROGRAMS – SIMATIC – SIMATIC MANAGER

➢ FOR CHECKING THE COMMUNICATION CLICK ACCESSIBLE NODES ICON

➢ IF COMMUNICATIONS ARE SUCCESSFULL BELOW POP UP WILL APPEAR.

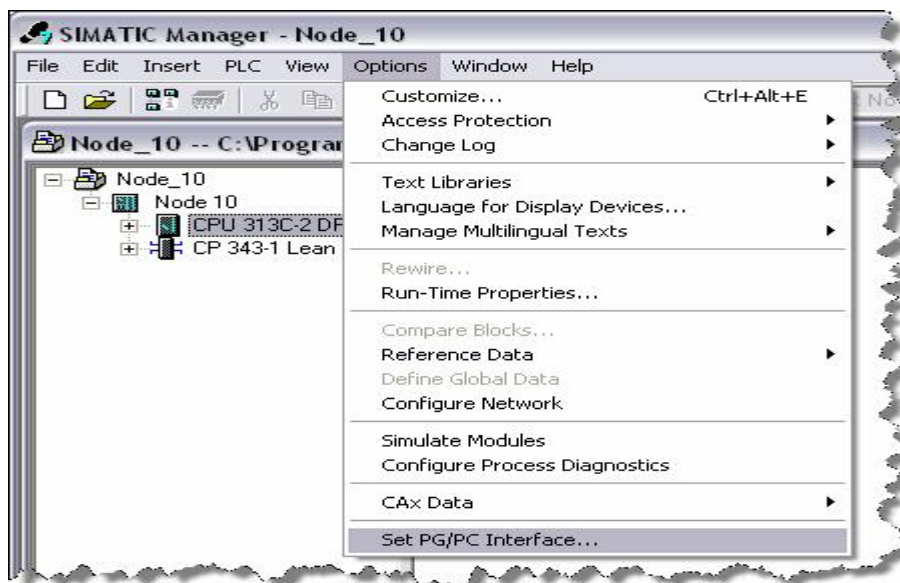➢ IF COMMUNICATIONS FAILS, BELOW POP UP WILL APPEAR

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SOP for S7300 PLC UPLOAD & DOWNLOAD PROCEDURE

> IN ORDER TO COMMUNICATE WITH PLC CLICK "SET PG/PC INTERFACE."
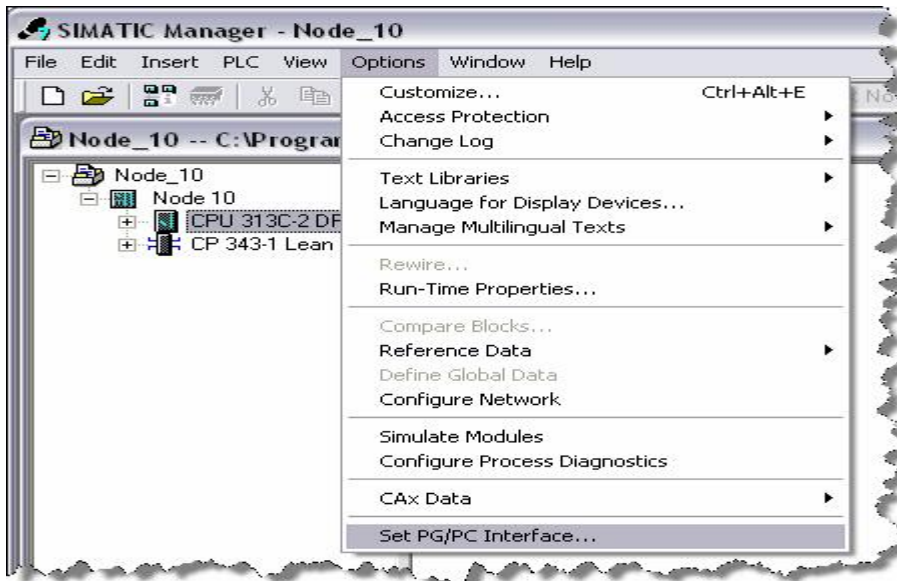

> FOLLOWING DIALOG BOX WILL OPEN UP DISPALYING ALL THE DIFFEERENT INTERFACES. ONCE THE PROPER INTERFACE IS SELECTED AND THE PROPERTIES ARE SET THEN CLICK "OK"

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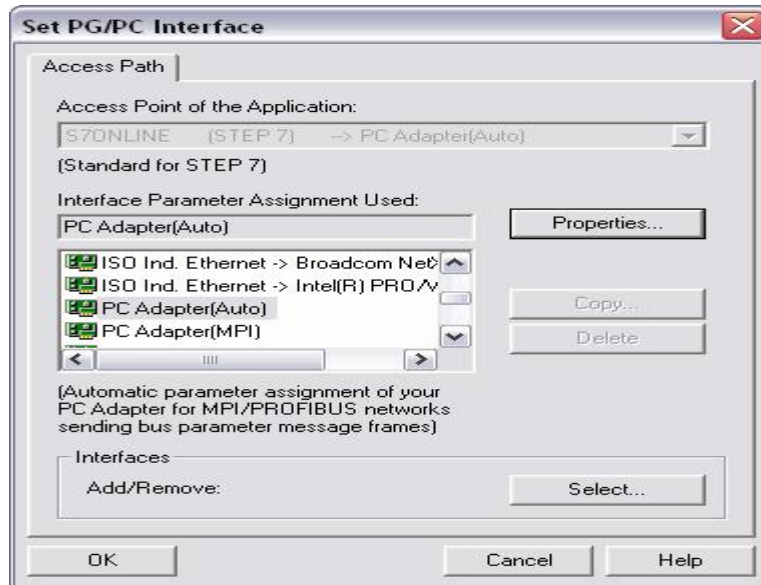
> IN ORDER TO COMMUNICATE WITH PLC CLICK "SET PG/PC INTERFACE."

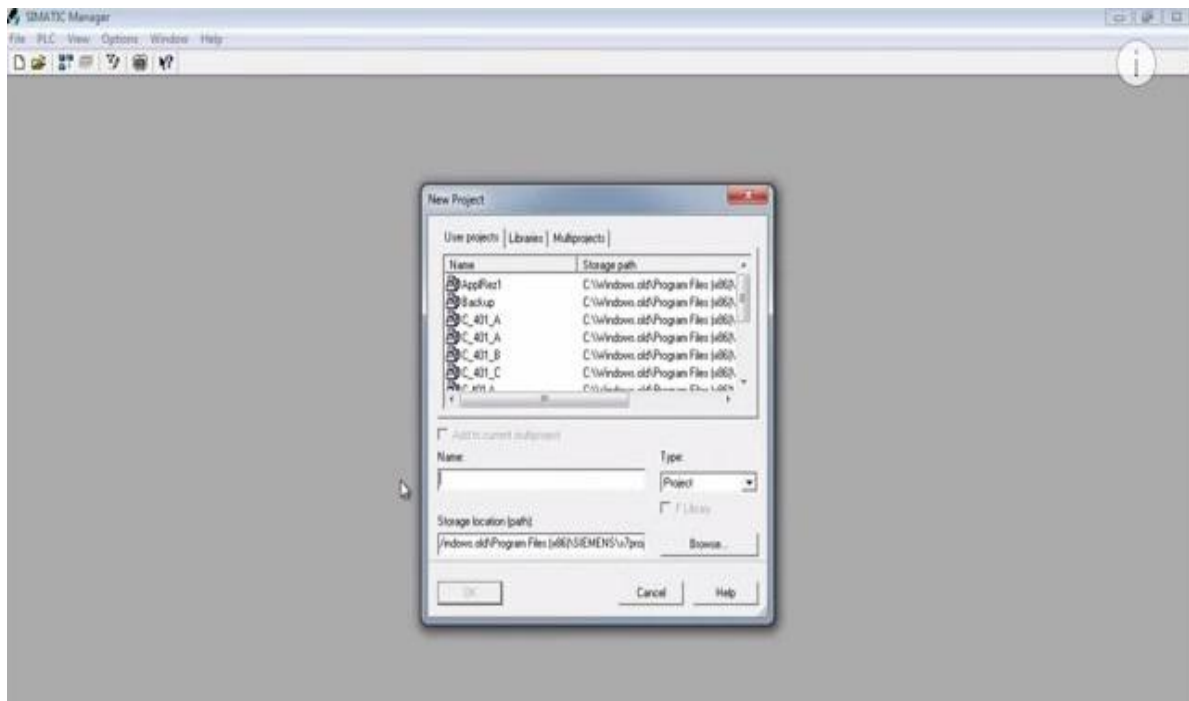|	
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➢ FOLLOWING DIALOG BOX WILL OPEN UP DISPALYING ALL THE DIFFEERENT INTERFACES. ONCE THE PROPER INTERFACE IS SELECTED AND THE PROPERTIES ARE SET THEN CLICK "OK"
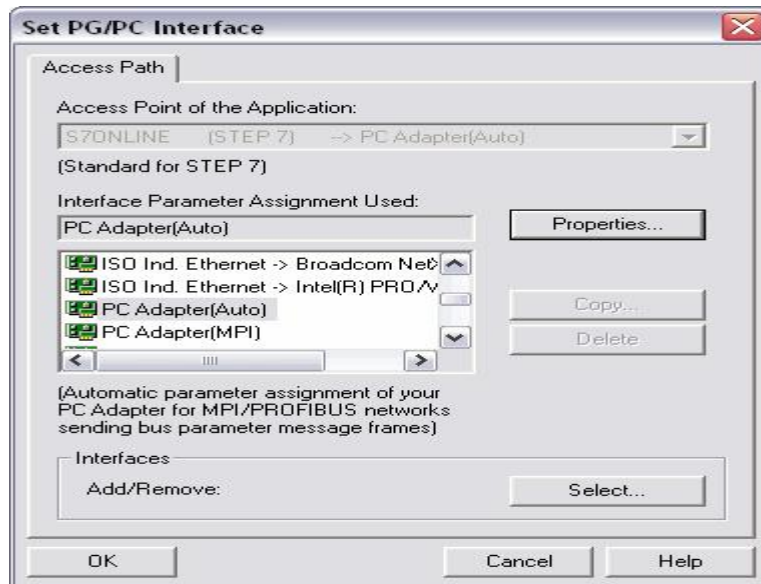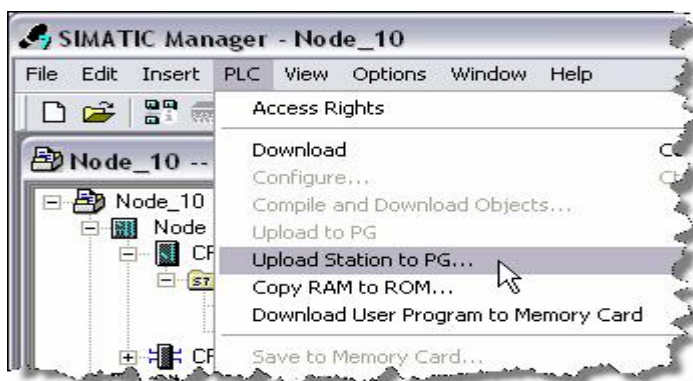

UPLOAD THE PROGRAMME:

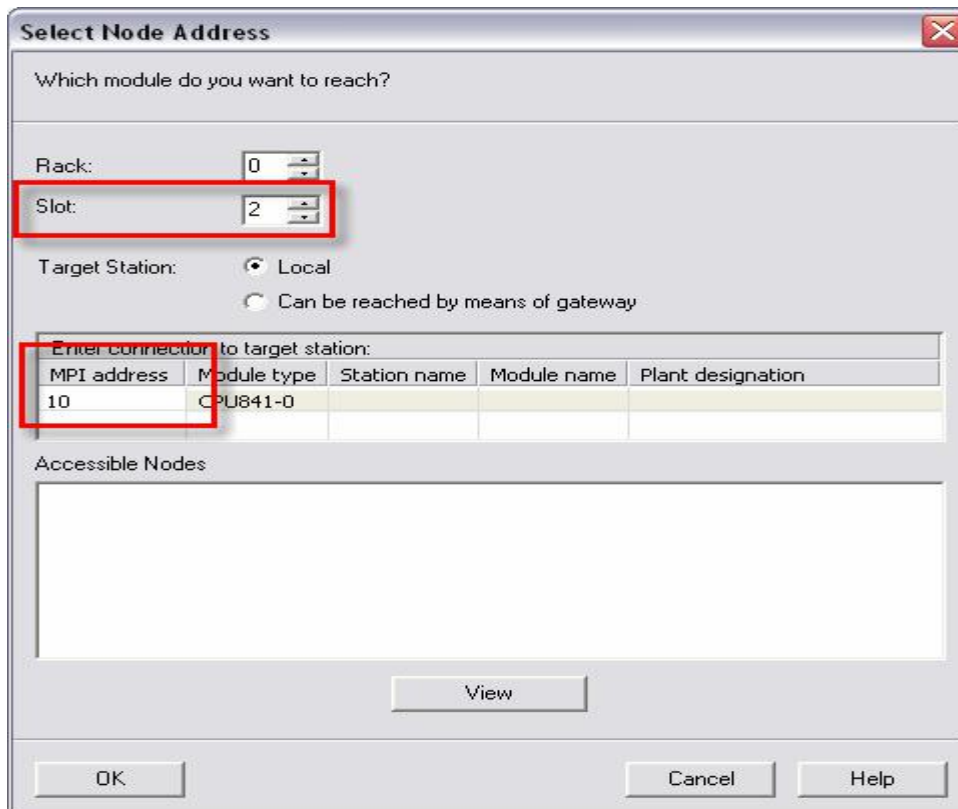➢ FIRST OPEN NEW PROJECT FROM FILE MENU

> PROVIDE FILE NAME AND SELECT LOCATION THROUGH BROWSE.

> THEN GIVEN FILE NAME WILL APPEAR IN THE MAIN SCREEN.

> SELECT PLC > UPLOAD STATION TO PG.

> IN THE NEXT SCREEN, FILL THE SLOT AND NODE ADDRESS OF THE COMMUNICAION PORT ON THE CPU. EX. BELOW CPU OVER MPI WITH NODE ADDRESS 10;

Select Node Address

Which module do you want to reach?

Rack: 0

Slot: 2

Target Station: ● Local

○ Can be reached by means of gateway

Enter connection to target station:

MPI address	Module type	Station name	Module name	Plant designation
10	CPU841-0			

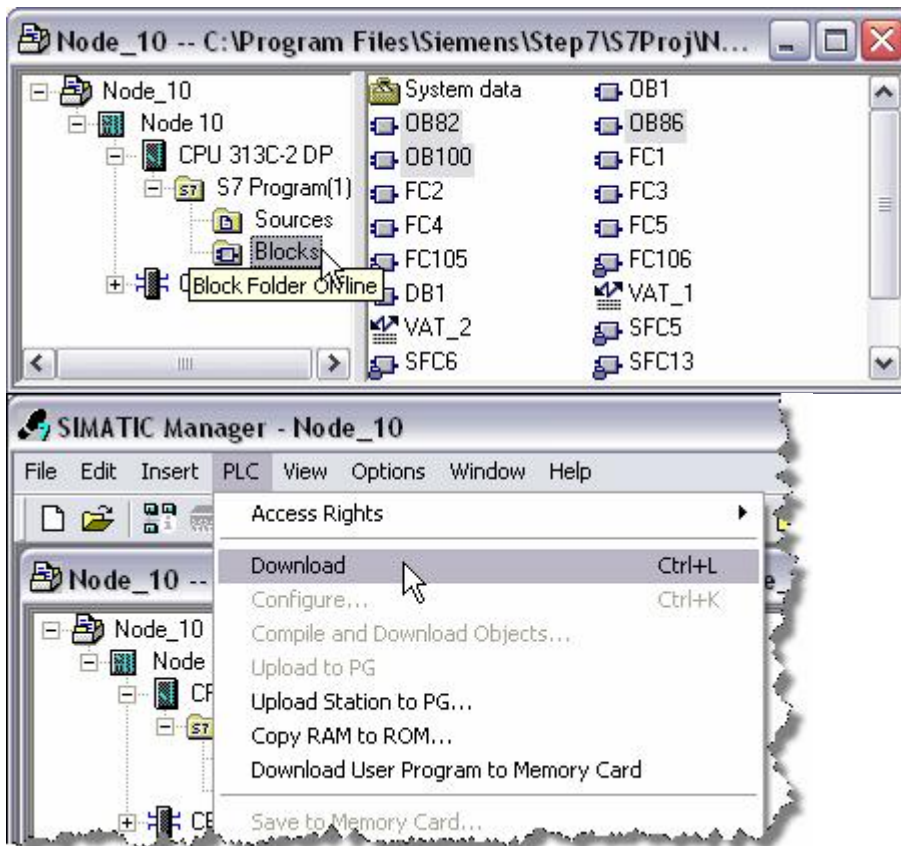Accessible Nodes

View

OK   Cancel   Help

> AFTER CLICKING OK THE WHOLE CONTENTS OF THE PLC INCLUDING ALL BLOCKS AND HARDWARE CONFIGURAION WILL BE UPLOADED IN TO A NEW SELECTED PROJECT.

DOWN LOAD THE PROGRAMME:

> FIRST IN ORDER TO ENABLE DOWNLOAD FIRST SELECT THE BLOCK WHICH WE WISH TO DOWNLOAD AND THEN CLICK DOWNLOAD.

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> CPU NEEDS TO BE IN STOP MODE BEFORE DOWNLOADING THE SYSTEM DATA BLOCK AS THIS IS EQUIVALANE TO A HARDAWRE CONFIGURATION DOWN LOAD. IF WE DOWNLOAD THE SYSTEM DATA, FOLLOWING MESSAGES WILL APPEAR.
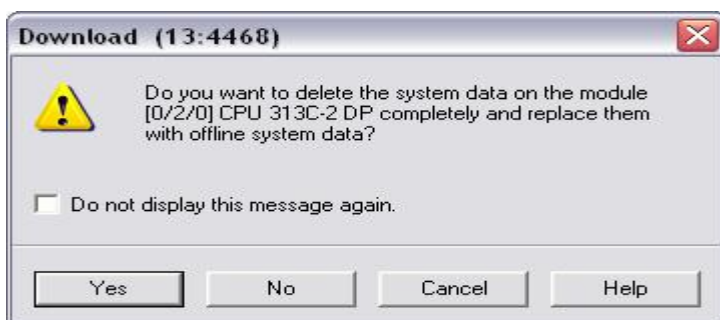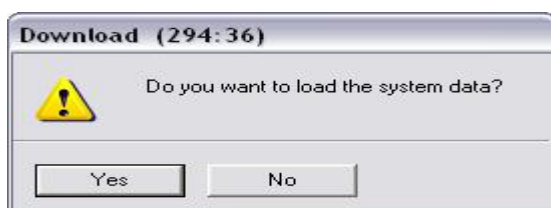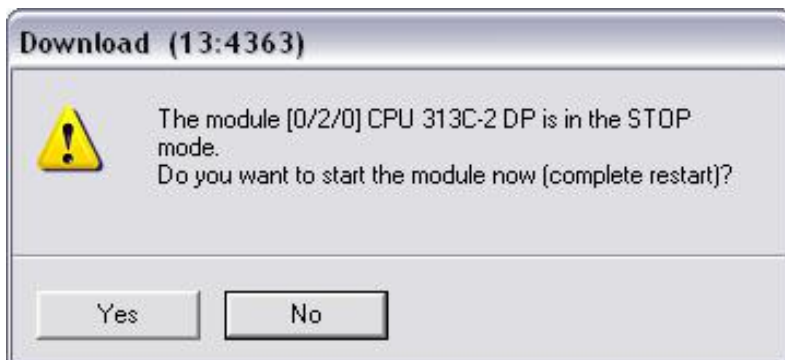

> IF THE CPU IS IN RUN MODE THEN IT WILL BE GO TO STOP THE CPU. THE SOFTWARE WILL DO THE RUN TO STOP TRANSITION WHEN WE CLICK OK.

➢ AFTER DOWNLOADING THE SDB WILL PROMPTED TO RUN THE CPU AGAIN.

➢ CLICKING YES WILL AUTOMATICALLY PUT THE CPU BACK INTO RUN MODE.