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<b>Abstract</b> :
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THIS REPORT BRIEFLY COVERS THE DEVELOPMENTAL TESTING ON CRYO-TURBOPUMPS (LOX AND LH2) TO BE UNDERTAKEN IN CLOSED CIRCUIT CENTRIFUGAL COMPRESSOR TEST RIG (CLOCTER). THIS PROJECT IS BEING SPONSORED BY LPSC, TRIVANDRUM AS A PART OF ISRO'S CRYOENGINE DEVELOPMENTAL PROGRAMME FOR GSLV. AS PER NAL'S PROPOSAL, THESE PUMPS WILL BE TESTED IN LN2 AT CLOCTER WHILE IN THE MISSION THEY ARE DESIGNED TO HANDLE LOX AND LH2 SEPARATELY. THE DETAILS ON TEST ARTICLES TOGETHER WITH TEST PARAMETERS AND TEST SEQUENCE ARE PRESENTED IN THIS REPORT. THE MODIFICATION/PLANNED AT CLOCTER, FOR UNDERTAKING THIS PROJECT INCLUDES INSTALLATION OF LN2 AND GN2 CIRCUITS WITH CONTROL INSTRUMENTATION INCORPORATING A PLC AND AUGMENTATION OF THE EXISTING DAS SYSTEM. ALL THESE DETAILS HAVE BEEN WORKED OUT AND ARE INCLUDED IN THIS REPORT.