

1. Security Classification of this page: Restricted

2. Type of Document : Project Document

3. Report No. : 4. Date : 5. Security Classification /
Declassification Schedule
PD ST 8505 : March 1985: Restricted

6. Title/Sub-title : Acoustic Emission Monitoring of
Ammonia Transfer Main Weld Joints

7. Author(s) : Dr. M.R.Madhava and H.N.Sudheendra

8. Division/Section : Structures 9. Project No. ST - 411

10. Type of Report/ : 11. Pages [8] : 12. Approved by/
Period covered : Tables [1] : No. of copies
Feasibility stu- : Illustrations [7] :
dies : : Head, Structures/
Ending Oct. 1984 : : 20

13. a) Sponsoring Agency(s) : 13. b) Participating Agency(s)
Mangalore Chemicals and :
Fertilizers Ltd., Mangalore: ~~71~~ 71

14. Keywords : Acoustic Emission, Transfer Main, Weld Joint

15. Abstract

Field tests have been carried out on gas lines under the service conditions when the plant was in operation. The testing procedure involved monitoring of acoustic emissions at six specified locations on the transfer main. The technique involved in the testing and the observations made during the tests are presented in this report.