

Preface

The Compliance Audi Report on ‘Water Injection Operations in Western Offshore, ONGC’ has been prepared under the provisions of Section 19-A of the Comptroller and Auditor General’s (Duties, Powers and Conditions of Service) Act, 1971 for submission to the Government. The Audit has been carried out in line with the Regulations on Audit and Accounts, 2007 (revised in August 2020) and Compliance Audit Guidelines of the Comptroller and Auditor General of India.

The Audit covered the period from 2014-15 to 2018-19. The Report is based on the scrutiny of documents pertaining to the Oil and Natural Gas Corporation Limited. The Audit was conducted to get an assurance whether adequate water (quantity and quality) were injected into the reservoir, and if not, the reasons thereof. Audit revealed deficient planning resulting in lesser than sufficient injection into the reservoir, delay in revamping/ maintenance of critical equipment as per the adopted norms leading to equipment failure and affecting the quality and quantity of water injected. Against intended level of 100 *per cent* voidage compensation through water injection, as of March 2019, the company could achieve a cumulative voidage compensation of 54.43 *per cent*, 42 *per cent* and 78.8 *per cent* in Mumbai High, Neelam and Heera fields respectively. The insufficient injection was one of the reasons for not achieving the production envisaged in the redevelopment schemes of these fields.

Audit wishes to acknowledge the co-operation and assistance extended by the officers and staff of Ministry of Petroleum and Natural Gas, Government of India and ONGC for this Compliance Audit. Audit also places on record the cooperation extended by University of Petroleum Energy and Studies, the Consultant, during the course of field Audit and finalization of Audit Report.