

SGS PROVIDES **QUALITY ASSURANCE AND QUALITY CONTROL** FOR INDIA WATER MANAGEMENT JALAYAGNAM PROJECT

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SGS was awarded a contract in November 2005 to provide quality assurance and quality control for an extensive water management project in India called Jalayagnam. During the entire project, scheduled for completion in 2012, SGS's team of experts are performing all third-party inspection, testing and verification services, including a review of the initial design, specifications and local and international standards as well as providing quality assurance checks of ongoing and completed works.

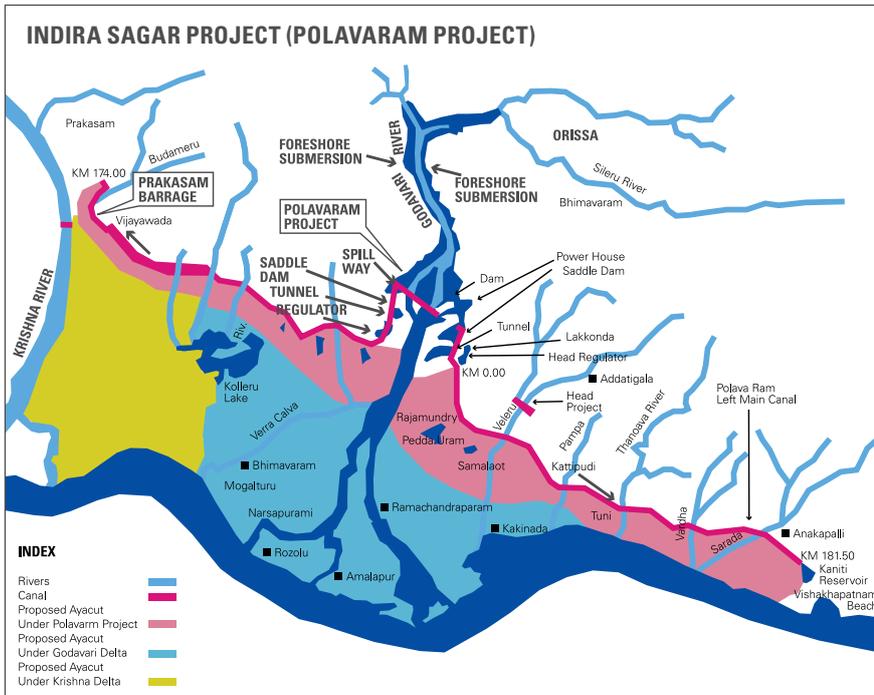
SGS PROVIDES QUALITY ASSURANCE AND QUALITY CONTROL FOR WATER MANAGEMENT PROJECT JALAYAGNAM IN INDIA

India is home to an extraordinary variety of climatic regions, ranging from tropical rainy in the south to tropical arid of Rajasthan in the northwest. The consequences of wide variations in average rainfall are floods and droughts across the country, destroying crops and reducing harvests. Due to the fact that approximately 70% of the population depends on the agricultural sector, the importance of irrigation in India cannot be underestimated.

The response of the Indian Government to this situation was the establishment of a water management programme called Jalayagnam. Initiated by late Chief

Minister of the Indian state of Andhra Pradesh, Dr. Y.S. Rajasekhara Reddy, the programme was designed to bring 7.3 million acres under irrigation over five years. The project was accorded the highest priority for the development of irrigation infrastructure, particularly in backward and drought prone areas. Jalayagnam included a number of irrigation projects, including the construction of reservoirs and lift irrigation systems for lifting water from major rivers to provide immediate irrigation benefits.

SGS



In order to proceed with such an extensive project in compliance with all relevant regulations and requirements, while keeping the project within the planned schedule, the Irrigation & CAD Department of the Government of Andhra Pradesh looked for a reliable inspection, verification, testing and certification company.

In November 2005, SGS India was awarded a contract to provide quality assurance and quality control for the entire project, due to its extensive experience and competence.

QUALITY ASSURANCE AND QUALITY CONTROL FOR WATER MANAGEMENT PROJECT ARE OF UTMOST IMPORTANCE

SGS has provided quality assurance and quality control for an extensive water management programme in the Indian state Andhra Pradesh, called Jalayagnam since 2005. SGS has been responsible for the successful

completion of six irrigation projects within the programme. Possessing many years of experience, SGS experts perform all third-party inspection, testing and verification services to prevent problems before they happen and guarantee top quality during the entire construction process.

With a team of up to 49 experts, SGS reviewed the initial design, ensured compliance with all relevant regulations and requirements, and helped to keep the project within schedule. As a third-party inspection, testing, certification and verification company, SGS participates in design review conferences, involving project engineers and contractor representatives, to suggest and recommend suitable designs and specifications. After completing a study of the designs and specifications, and reviewing the plans, SGS experts evaluate and establish the quality management plan (QMP) and make suggestions for improvements.

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SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY

SGS also performs quality assurance checks of ongoing and completed works with respect to compliance with all contractual specifications, codes, standards and government regulations, such as APSS and IS codes. In addition, SGS carries out various field and lab tests of the construction materials to ensure the highest quality of the project.

In this instance, the biggest challenge for SGS was to ensure the successful completion on time of three lift irrigation projects, designed to lift water from major rivers into dry areas at a higher elevation, 300 metres above the water level. SGS experts ensured the highest quality of these projects, which despite the difficult terrain and adverse weather conditions were completed within schedule to the full satisfaction of the client.

From revision to project execution, SGS provides a multidisciplinary team of experts, which ensures compliance with all relevant regulations and standards, and help to prevent any construction errors.