



Enriching Lives

## PARTNERING CAMBODIA IN BRINGING PROSPERITY AND JOY



Cambodia's economic growth

### Introduction

The Kingdom of Cambodia is a country located in the southern portion of the Indo-China Peninsula in Southeast Asia. Kirloskar Brothers Limited, India had exported 240 irrigation pumpsets to the Ministry of Water resource and Meteorology of the Royal Government of Cambodia.

### Challenge

The average rainfall in Cambodia lasts from May to September. The rainfall is sufficient enough to have sufficient water in river Mekong. In spite of this, the river side farmlands remain dry during this time period due to inadequate irrigation.

### Solution

As a solution to this problem, we installed 240 diesel engine driven pumpsets which would provide the proper irrigation by pumping water from the Mekong River. The pumpsets have been mounted on pontoons or trolley and have been dispatched to the 24 provinces in Cambodia. These pumpsets will ensure continuous water supply to irrigate 30,000 hectares of land. Each pump is capable of pumping 900 cubic meters of water per hour (250 liters/second). With strategic placement we can irrigate 125 hectares of land.

### Learning

With the Mekong being the major water source in Cambodia, we learned that improvising our pump design to fit on pontoons and trolleys would be beneficial. The advantage of trolley or pontoon mounted pumpsets is that they can be operated at various levels and needs no civil work as in case of fixed ones.

We realized the importance of having a continuous customer support at the local level and accordingly opened a KBL office in Phnom Penh. As a part of our association with the Ministry of Water Resources and Meteorology, we organize regular workshops and seminars. We have an active participation from the irrigation department, agricultural department and the provincial departments and participants benefit from these training sessions on operation and maintenance of pumpsets.

### **Conclusion**

Kirloskar Brothers Limited has played an instrumental role in the augmentation of the agricultural yield by supplying around 240 pumpsets and irrigation machinery to the Government of Cambodia.