

## JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST AREA

(A Part of Kalamonijan L.t.S. in Hawaipur Reserve Forest Area)

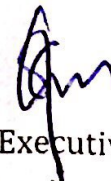
### 1. Project Background

The demand for Kalamonijan Irrigation Scheme is a long standing. The villages of the locality are solely dependent on cultivation for their livelihood, whereas it is known to all that the southern part of Hojai District is a rain shadow area. The people of this region, mainly the farmers are always deprived of adequate rainfall and hence cultivation of crops has always been a problem. As the farmers are solely dependent on cultivation for their socio-economic life has also been degraded immensely. The maximum rainfall occurs into the command area during monsoons season and rainfall is found uneven throughout the year. Hence, the necessity of an irrigation scheme is highly essential for socio-economic upliftment of the local society. The execution of Kalamonijan L.I.S, will create a potential of 1950 Hectares which will help the humble cultivators of the area immensely to expedite their agricultural product upto a good extent.

### 2. Justification

#### Kalamonijan Lift Irrigation Scheme

The planning of Kalamonijan Irrigation Scheme is really a challenge for an engineer due to undulated topography, the existing embankment of Kopili River and the Hawaipur reserve forest area side by side. A detailed field visits had been carried out to implement the scheme in best possible way considering technical parameters and found that, a small portion of length 2194.98 m of the scheme passes through Hawaipur reserve forest area which is unavoidable. This 1800 m of the water conveyance system will be laid underground of the existing PWD Road without affecting the existing road and animal corridor. It may also be noted that, the forest cover will not be affected. The underground water conveyance system will act as connecting water passage for D.1. pipe line with the brick lined canal and followed by earthen canal to cater the design discharges.



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