

## **JUSTIFICATION FOR LOCATING THE ALLINGMENT IN FOREST LAND**

### **1.00 NAME AND LOCATION :-**

The methala Bandhara Scheme is situated near village methala of talaja Taluka of bhavnagar District of Gujarat State across river bagad. The site is about 35 Km. from Taluka head quarter talaja of bhavnagar District. The Talaja is located on Bhavnagar-Somanath National highway road No. 8E. The longitude and Latitude are as under :

- (a) LONGITUDE :  $71^{\circ} - 03' - 00''$
- (b) LATITUDE :  $21^{\circ} - 03' - 00''$

### **2.00 FEASIBILITY REPORT :**

The project report will be prepared on the line of design and drawings to be approved by Central Design Organisation, Gandhinagar, a Government in house Technical Organisation. The project is under consideration for the Administrative Approval.

### **3.00 BACK GROUND AND NECESSITY & JUSTIFICATION:**

The project is situated in the draught prone area of Saurashtra coast which has a acute shortage of water. The rainfall is very low and erratic. The rivers area not perennial. The water table is very deep and pumping of ground water is more. The Project is to constructed at sea mouth to gain maximum benefit of salinity control.also The Hieght of dam is Fixed HTL+1.00MT TO COUNTER THE TIDE WAVE SO NO SCOPE TO REDUCE THE SUBMERGENCE.

This project is a Salinity Control measure to prevent the Salinity Ingress through sub soil. This project is required to improve ground water condition and to cultivate more land for agriculture purpose. It will also help in stopping migration of live stocks and people.

#### **4.00 BENEFITS / IMPACT OF THE PROJECT :**

In view of storage capacity of 655.00 MCFT. and assured Lift Irrigation of 3275 Hacts. is possible and overall 6550 Hact. area will be effected of 10nos of villages of talaja Taluka will benefit by Irrigation as well as wells through recharge of aquifers of Surrounding are which is very much beneficial. The project increases the employment and Socio-economic development of the area @30000 population will be benifited.

#### **5.00 IMPACT ON ENVIRONMENT :-**

There is on completion of the project Lift Irrigation facility will improve the environment on surrounding area, by increasing the area under green belt and supporting more Flora & Fauna by increased products fodder etc.

#### **6.00 IMPACT ON WOMEN IN THE DEVELOPMENT :-**

The women of this area are engaged in cultivation. This is an Irrigation Project, cultivation activities will increase due to irrigation facility which will uplift the development of women life style. Also women will be benefitted by improved living standard.

#### **7.0 CONCLUSION :-**

Looking to the above point, this project is a Salinity Control measure project to prevent the salinity ingress through sub soil, Also improve the ground water condition in Surrounding area of the project.

Main aim of this project is to Recharge the under Laying aquifers. There is no provision of Canal net work in this project. After completion of project only periodical maintenance will remain to be carried out.

**Date : 10/4/2018**

**Place : Bhavnagar**



**Deputy Executive Engineer,  
Salinity Control Sub Division,  
Talaja**



**Executive Engineer,  
Salinity Control Division,  
Bhavnagar**