

**SALINITY INGRESS PREVENTION CIRCLE, RAJKOT
SALINITY CONTROL DIVISION, BHAVNAGAR**

:-: PROJECT REPORT :-:

Sub Project :- Methala Bandhara Scheme

Taluka : Talaja

Distict : Bhavnagar

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 : 71⁰ – 03' – 00"

(b) LATITUDE : 21⁰ – 03' - 00"

2.00 FEASIBILITY REPORT :

The project report will be prepared on the line of design and drawings 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 :

The project is situated in the draught prone area of Saurashtra coast which a acute shortage of water. The rainfall is very low and erretic. The rivers area not perennial. The water table is very deep and pumping of ground water is more.

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.

4.10 SUMMARY OF THE PROJECT :-

Spillway having a length of 500 Mt. Live storage of the reservoir is 655 MCFT

In view of storage capacity of 655 MCFT an assured Irrigation of 2500 Hacts. is possible and overall 6550 Hacts. area will be protected from Salinity ingress by the scheme.

4.20 THE TOTAL COST OF THE PROJECT IS 8067.50LACS :-

Cost Rs. in Lacs.		
Sr. No.	Particulars	Estimated Cost.LACS
1	A-Preliminary	35.00
2	B-Land including Net Present Value of land and Compensation of 545 Hact. Forest Land& Privete Land	9845.06
3	C-Works	
	(i) Spillway	2462.00
	(ii) Earthen Dam	636.14
4	K-Building	10.00
5	M-Plantation	1.50
6	O-Miscellaneous	15.00
7	P-Maintenance	7.74
8	Q-Special Tools & Plants.	15.00
9	R-Communication	181.00
Total Rs.		13208.45
Add : 12.85% Centage Charges (Except B-Land) Rs.		432.19
Grand Total Rs.		13640.46
Say Rs.		13640.65

(Rs. One Hundred thirty six crore forty lacs sixty five Lacs only)

4.30 EXECUTING AGENCY :-

- Government of Gujarat.
- Narmada, Water Resources, Water Supply and Kalpsar Department, Gandhinagar.
- Superintending Engineer, Salinity Ingress Prevention Circle, Rajkot.

5.00 VARIOUS CLEARANCE :-

State planning Commission has accorded the clearance to this project.

6.00 PROCUREMENT METHOD / CONSULTING SERVICE :-

This work is proposed to be done by public invitation tenders by competitive bidding procedures from competent contractors. No external consultant is required as the all the designs etc. is done by Central Designs Organisation of State Government, having capacity, competency to do even major projects.

7.00 BENEFITS / IMPACT OF THE PROJECT :

In view of storage capacity of 655.00 MCFT. and assured Lift Irrigation of 2500 Hacts. is possible and overall 6500 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.

8.00 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.

9.00 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.

10.0 BUDGET ALLOCATION :-

There is a budget provision of Rs. 1600.00 Lacs for the year 2018-19 for salinity project out of which sufficient fund will be allotted for this project.

11.0 AREA COMING UNDER SUBMERGENCE :-

(1)	Private Cultivated Land	280-00 Hactors.
(2)	Govt. Waste Land	831 Hactors
(3)	forest land	598-24-27 Hactor.
(4)	Total Area Coming under submergence	1709-00 Hactor.

12.0 NOS. OF VILLAGE EFFECTED :- **NIL**

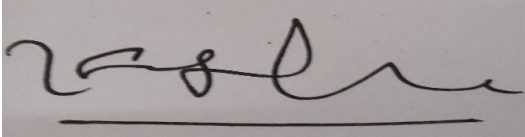
13.0 CONCLUSION :-

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 : 30-4-19

Place : Bhavnagar



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

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

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