

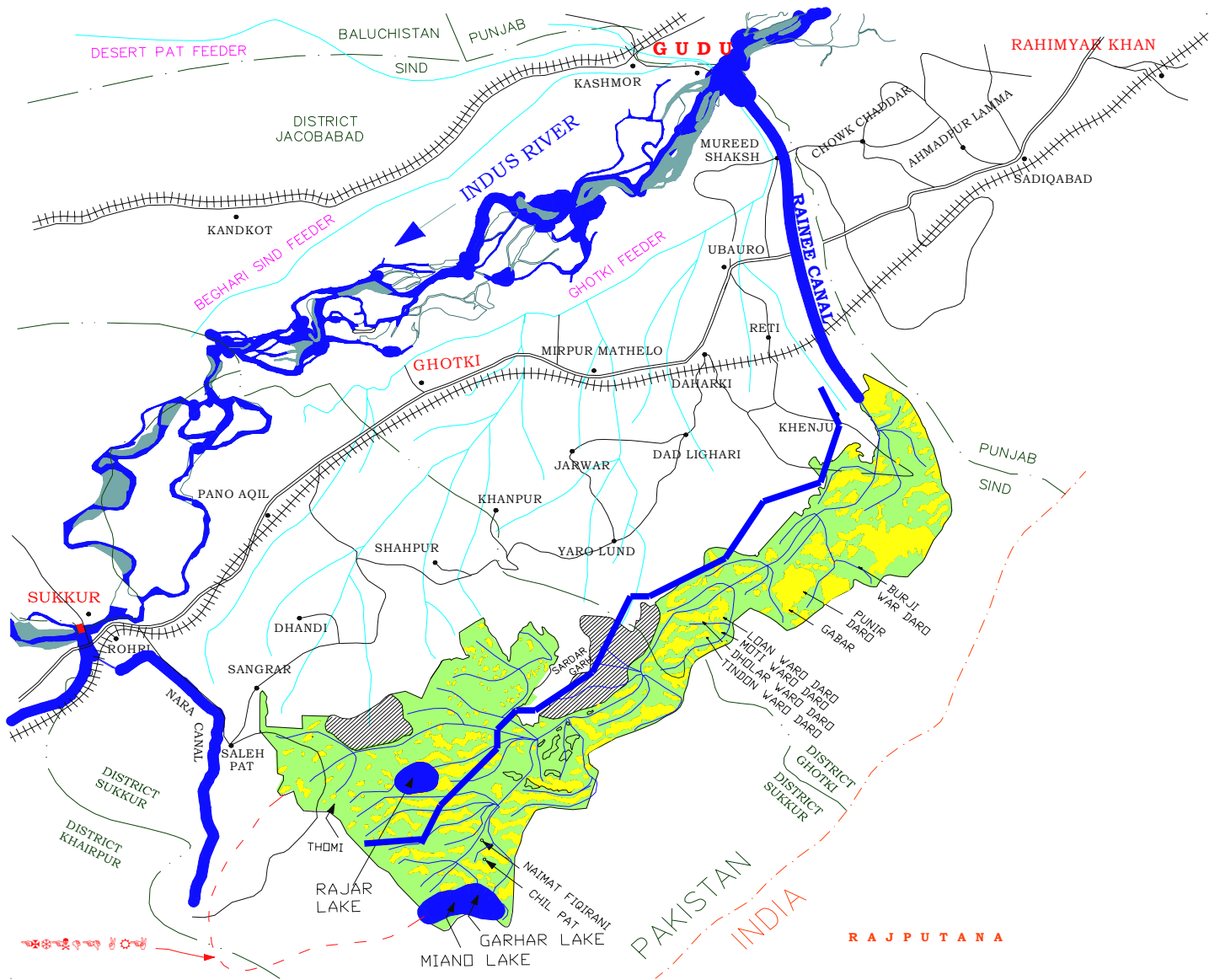
RAINEE CANAL PROJECT

1. LOCATION

Off-takes from Left Bank of River Indus up-stream of Guddu Barrage, the project located in Ghotki Sukkur and Khairpur Districts of Sindh Province.

PROJECT LOCATION MAP

The scheme of the project is shown as under:-



2. SCOPE OF WORK

The length of Main Canal is 175 Km with capacity of 5,155 cusecs. About 609 Km. of Distributaries will also be constructed. All the distributaries will be lined. 304 major structures and 1318 minor structures are under construction.

3. Objectives / Benefits

The Raineer Canal is a multipurpose project and will afford benefits in the following fields.

- a. Better utilization of flood water ensuring greater supply of water to Sindh.
- b. Better flood mitigation and aversion of losses to property.
- c. Irrigation of 412,400 acres of barren land.
- d. Cropping intensity during Kharif would increase from 0% to 80% in initial five years.
- e. Improved Forestry & Fruit Production.
- f. Development of cattle breeding, dairy farming.
- g. Drinking water for Arid Zone.
- h. Social uplift and poverty alleviation.
- i. Environmental improvement due to charging of lakes.
- j. Development of fish farming to the extent of 258 tons annually.
Development of transportation routes in project area.
- k. Creation of job opportunity and alleviation of Poverty.

4. **Date of Commencement** : October, 2002

5. **Date of Completion** : June, 2012 (Re-scheduled)

6. **Project Cost** : PC-I amounting to Rs. 18.862 Billion
approved by ECNEC on 18.02.2004.

The Revised PC-I amounting to Rs. 32.392 Billion has been forwarded by Secretary, Ministry of Water & Power Islamabad on 20th February, 2010 to Planning & Development Division Islamabad for obtaining approval of ECNEC.

7. SALIENT FEATURES

Main features of the project are as under:

- | | | |
|----|------------------------|---------------|
| a. | Canal Capacity | 5155 Cusecs |
| b. | Command Area | 412,400 Acres |
| c. | Canal Length | 175 KMs |
| d. | Lined Portion of Canal | 119 KMs |

e.	Distribution System	609 KMs
f.	Lakes Storage	415,770 Aft
g.	Syphon	09
h.	Canal Head Regulator (at Guddu Barrage)	01
g.	Cross Drainage Structures	51
h.	Railway Bridge	01
i.	National Highway Bridge	01
j.	Road Bridges	120
k.	Head Regulators of Distributaries	67
l.	Project Cost	18.862 Billion
m.	EIRR	12%

8. Present Status / Progress (Phase-I)

The details of contracts / packages given below:-

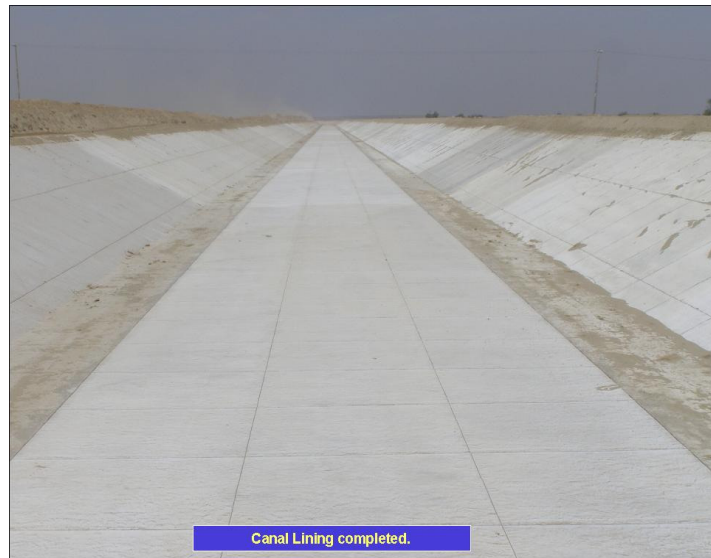
DESCRIPTION	STATUS
Contract RC-1 Earthwork of Main Canal from RD 18+000 to RD 38+000	Work completed on 31.05.2003
Contract RC-4 Construction of River Training Works, Head Regulator, Earthwork and Structures of Raine Canal from Head Regulator to RD 18+000	Defect Liability Period expired on 30.09.2010. Defect Liability Certificate w.e.f 30.09.2010 recommend by the "Engineer".
Contract RC-5A (Remaining works of RC-2, 3 & 5) Earthwork & Structures from RD 18+000 to 181+433	Defect Liability Period expired on 09.02.2011
V.O No.RC-5A/02 Construction of Escape Channel & allied Structures at RD 181+433.	Work is in progress. Expected to be completed by June, 2012
Contract RC-6A (Remaining works of RC-6) Earthwork, Concrete Lining & Structures from RD 181+433 to RD 276+853	Defect Liability Certificate issued w.e.f. 20.02.2011
Contract RC-7 Earthwork, Concrete Lining & Structures from RD 276+853 to RD 363+752	Work suspended & Contract Terminated by the Contractor. Amicable settlement through MOU is under process.
Contract RC-7A Construction of Distributaries and Minors of Raine Canal – Earthwork, Concrete Lining & Structures from RD 181+433 to RD 363+752	Contractor has re-started the work at site from October, 2011, Expected to be completed by June,2012.

9. In-charge of the Project

(KAMALUDDIN KALHORO)

CHIEF ENGINEER & P.D,
Raineer Canal Project, WAPDA,
Officer's Bachelor Hostel T.P.S Colony Guddu
0722-578413 / 0723-709670

Updated as on 29-02-2012



DECON Engineering Limited

February 06, 2008



Embankment Construction at Canal RD 9+750 to 9+100 in progress



Cross Regulator "A"



Cross Regulator "B"



Canal Section D/S of Cross Regulator "C"



Trimming of Slope for Canal Lining in Progress



