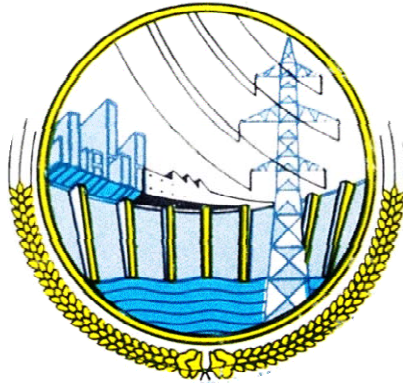


**PAKISTAN WATER AND POWER DEVELOPMENT
AUTHORITY**



SABAKZAI DAM

PROJECT BRIEF

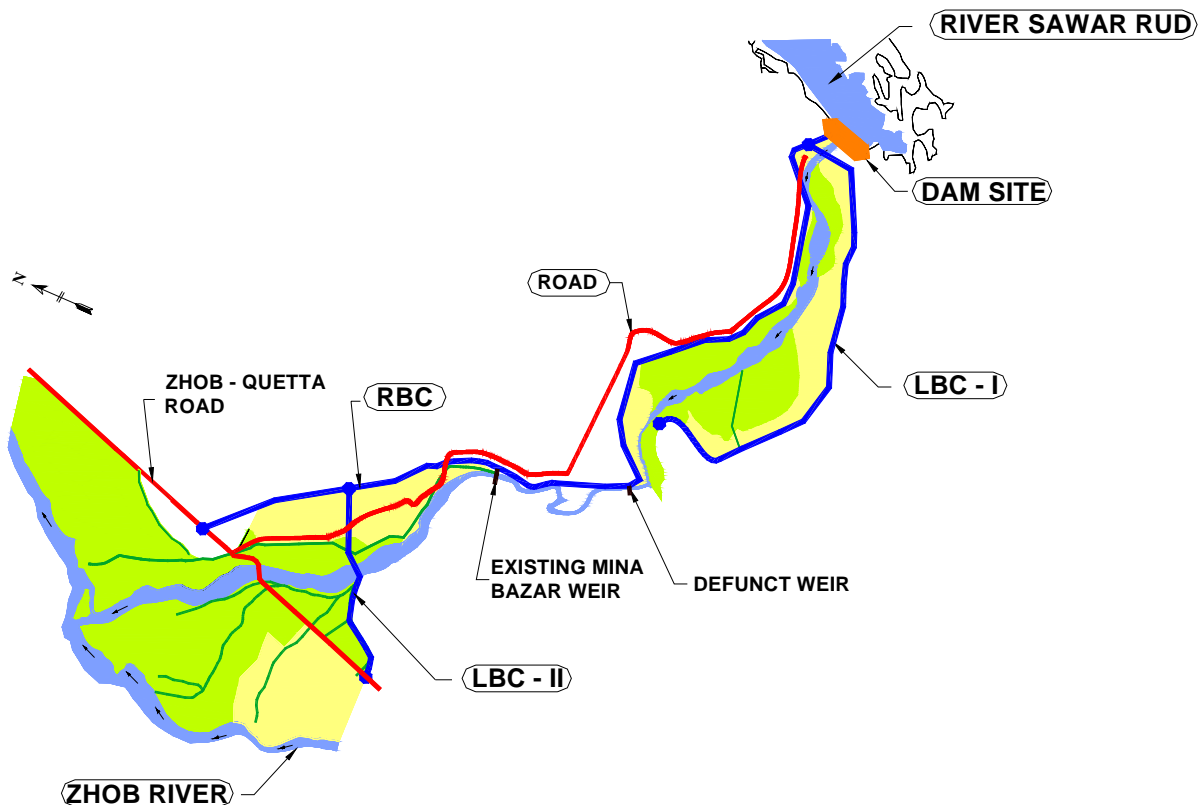
(November 2007)

**GENERAL MANAGER (PROJECTS) SOUTH
WAPDA HOUSE LAHORE**

BRIEF SABAKZAI DAM PROJECT

GENERAL

1. Sabakzai Dam is being constructed across Sawar Rud, about 68 Km South West of Zhob. Sawar Rud is a tributary of River Zhob. The Project area is located about 288 Km North-East of Quetta. The scheme of Project is shown below:-



SALIENT FEATURES

2. Main technical aspects of the project are enlisted below:

a. Reservoir

- | | |
|-------------------|-------------|
| (1) Gross Storage | 32700 A.Ft. |
| (2) Live Storage | 14700 A.Ft. |

b. Dam

- | | |
|---------------------|------------------|
| (1) Type | Earth & Rockfill |
| (2) Maximum Height | 34.75 m |
| (3) Length at crest | 395 m |

(4) Top Width	10 m
c. Spillway	
(1) Type	Ogee
(2) Maximum Design Capacity	57562 Cusecs
d. Outlet	
(1) Tunnel Diameter	2 m (6.56 Ft.)
(2) Capacity	33 Cusecs
e. Irrigation System	
(1) Type	Gravity, Lined Channels
(2) Command Area	
a. Right Bank Canal	2806 Acres
b. Left Bank Canal	4069 Acres
	Total: 6875 Acres
(3) Average Cropping Intensity	123%
(4) Capacity of System	
a. Right Bank Canal	14 Cusecs
b. Left Bank Canal	19 Cusecs
f. Project Cost(Revised PC-I Approved)	Rs. 1576.554 Million
g. E.I.R.R	10.6% (Revised)
h. Date of Commencement	01-01-2003
i. Date of Completion	31-12-2007

PRESENT STATUS

3. Land acquisition process for acquiring lands for dam, reservoir, O&M Colony, Access Road and Irrigation System completed and Rs. 113.8 Million deposited with Government of Balochistan for payment of compensations. Rs. 88.496 Million paid to the landowners to date.
4. M/s NESPAK was awarded Consultancy Contract for Rs. 65 Million on 21 Apr 04 to review the design of main dam and its irrigation system as desired by ECNEC. After review of design, Contracts awarded.
5. The Contract for O&M Colony & Access Road (SZD-01) awarded to M/s M.Yaqoob & Sons, Quetta on 22-05-2003 and completed on 25-12-2004.
6. The Contract for Dam & Allied Structures (SZD-02) awarded to M/s SKB for Rs. 630 Million i/c Remaining structures of Access Road. Construction activities on dam embankment and spillway are completed. Physical progress of the Contract is 98%.

7. **The Contract for Irrigation System (SZD-03) awarded to M/s SKB for Rs. 500 Million on 26 Mar 2005. Work on RBC and LBC-I is completed 78%. Minor works are remained and be completed in Liability Period.**
8. **Total expenditure is Rs. 1345.860 Million against allocation Rs. 1519.50 Million upto October 2007. PSDP allocation for 2007-08 is Rs. 200 Million. Overall financial progress is 88 %.**

PROJECT BENEFITS

9. **The main objectives of the project include:**
 - a. **21.5 Km of metalled access road upto Sabakzai.**
 - b. **Extension of 11 KV line upto dam site.**
 - c. **Irrigation supply of about 33 Cusecs to over 6875 acres of land, round the year with average cropping intensity of 123%. (Present cropping intensity 20.41%).**
 - d. **The stored water will also meet the drinking requirements of local population of over 15000 persons.**
 - e. **Flood mitigation and reduction in annual losses to property.**
 - f. **It will facilitate production of 80 Tons of fish besides boosting production of fruit, live stock and forestry.**
 - g. **Development of Drip and Sprinkler Irrigation systems.**
 - h. **Generation of about 250 employments annually.**
 - i. **Environmental and Socio Economic uplift of the area.**

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