

# **PUNASA LIFT IRRIGATION SCHEME**

## **Introduction:-**

The Punasa Lift Irrigation Scheme is located near village Chandel in Khandwa (East Nimar) district, proposed for development of irrigation facilities in East Nimar district of M.P. This area has been declared as a drought prone area. The Project is proposed as an extension of command from on-going Indira Sagar Project (ISP). The scheme is proposed in lieu of Chhota Tawa Project which was earlier proposed across Chhota Tawa river, a tributary of river Narmada.

The PLIS is proposed to lift water directly from the ISP reservoir and irrigate CCA of 35008 ha at 105% intensity of irrigation, thus proposing annual irrigation to an area of 36758 ha. The project shall provide drinking water and irrigation facilities to 110 villages including 25 affected villages of ISP and resettled population of ISP oustees and habilitation sites.

## **Composite Control Structure Cum Canal Head Power House**

PLIS is proposed and linked up with the composite control structure at R.D.3045 M. of Punasa Facilities. This work comprises of head regulator and a Canal Head Power House with 3 units of 5 MW each.

## **Salient Features:-**

A provision to irrigate about 35008 hact.of land by lift is already considered in the design of Intake component of Indira Sagar Project canal. It will serve the areas around Punasa and Mundi village in command of the earlier proposed Chhota Tawa Project. The Administrative Approval has been accorded to the scheme by the Govt. of M.P. N.V.D.D. vide No. F-2/28/27/2/2005/2817 dated 19.9.2005 for an estimated cost of Rs. 185.04 crores.

## **Principal Features:-**

River/Intake	Narmada, Main canal head
HFL	263.35 m
MDDL	243.13 m
Floor level of pump	246 m
Ist stage lift	ISP Reservoir level to 283.5 m

IIInd stage lift	ISP Reservoir level to 283.5 m
III rd stage lift	300 m to 324 m
Gross Command Area	53708 Ha.
Culturable Command Area	35008 Ha.
Annual Irrigation	36758 Ha.
Benefit cost ratio	1.56

**Completion Schedule and target for Irrigation potential from construction period**

1 <sup>st</sup> Year	30%
2 <sup>nd</sup> Year	70%
3 <sup>rd</sup> Year	100%

**Status**

Tender for detailed survey, design, drawings & estimates, preparation of tender document are in process.

**Financial:-** Expenditure on this project till 11/2007 is 43.08 lac.

-----