

# **NARMADA-KSHIPRA LINK PROJECT**

## **The Project**

Narmada Kshipra Link Project envisages lifting of 3 MAF (3700 Mm<sup>3</sup>) water annually from Indira Sagar Project reservoir (MDDL 242 m RL) to Chhapra dam (FRL 545 m RL) and distribute to Malwa region consisting of eleven districts of Madhya Pradesh namely Indore, Ujjain, Dewas, Shajapur, Rajgarh, Ratlam, Mandsaur, Neemuch, Dhar, Sehore and Bhopal.

## **Uses**

It is proposed to use 3 MAF (3700 Mm<sup>3</sup>) of water for different uses as below –

(i) Domestic	1.50 MAF
(ii) Industrial	1.00 MAF
(iii) Horticulture and Floriculture	0.30 MAF
(iv) Environmental requirement	0.20 MAF

<b>TOTAL</b>	<b>3.00 MAF</b>
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It is further proposed to implement the project in three stages commensurate with the availability of funds by lifting of about 1 MAF of water in each stage.

## **The Proposals**

The major components of the proposed Narmada Kshipra Link Project are –

- (i) Intake Structure near Chachin Nalla at Indira Sagar Reservoir (MDDL 242 m RL)
- (ii) 43.5 long 9 m dia pressure tunnel to carry 141.0 cumecs discharge (including cut and cover RCC duct between RD 3 to 4.5 Km.)
- (iii) Under ground pump house at the end of tunnel (RL 165 m).
- (iv) Vertical shaft of about 380 m at the tunnel end for lift of water with delivery point at Chhapra dam (FRL 545 m RL).
- (v) Strengthening of Chhapra dam.
- (vi) Piped distribution network with intermediate ponds and overhead tanks for distribution of water beyond Chhapra dam to Malwa region.

## **Cost of the Project**

The tentative estimated cost (at 2002 price level) as worked out by Consulting Engineering Services on the basis of preliminary studies is Rs 7050 crores (out of which cost of distribution network is Rs. 4500 crores).

## **Power requirement**

Annual power requirement for lifting of 3 MAF water from Indira Sagar reservoir to Chhapra dam is estimated as 553 MW (pumping capacity of 10.37 Lakh H.P.).

## **Operation and Maintenance cost**

Total yearly operation and maintenance cost (at 2002 price level) based on preliminary assessment assessed by Consultancy Engineering Services is estimated as Rs. 1610 crores.

## **Present Status**

The N.C.B. in 30<sup>th</sup> meeting dt. 12.04.07 has decided to accord administrative approval of Rs. 34.38 Crores.

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