# BHAKRA DAM AND POWER PLANTS

# FACTS AT A GLANCE

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#### DAM

		1910.33	740	
Height	••		760	feet
Length at top			1700	feet
Length at bottom			325	feet
Width at top			30	feet
Width at base (exclu	ding apron)		625	feet
Width at base (inclu	iding apron a	nd		
heel claystone plug	()		1320	feet
Elevation of top of c	lam above se	a level	1700	feet
Cost of dam and app			65,91,00,000	Rupees
Total excavation			14,77,00,000	cubic fee
Total concrete			14,31,00,000	cubic fee
Cement required			8,00,000	tons
Aggregate required			89,00,000	tons
Total steel	-		1,00,000	tons
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## **DIVERSION TUNNELS**

No. of Diversion Tunnels		2	
Finished diameter of each tunnel		50	feet
Approximate length of each		1	mile
Discharge through the tunnels	0-15-13	2,90,000	cusecs max

#### COFFER DAMS

Upstream	Coffer Dam	
Carton Carlinson	Height	

Height	144 1 20	 215 Ieet
Length		 560 feet

#### Downstream Coffer Dam

Height	 	132	feet
Length	 	360	feet
Total volume	 	2,51,00,000	cubic feet
Total cost	 	48,00,000	Rupees

## RESERVOIR (GOBIND SAGAR)

Total storage capacity			74,00,000	acre feet
Live storage capacity			57,30,000	acre feet
Length of lake			55	miles
Area of lake			64	square miles
Population to be disp	laced		30,000	
No. of villages to be su		ed or		
partly submerged			366	

#### POWER PLANT

No. of Power Houses to be constructed

- 2 (Power Plant I & Power Plant II)
- (i) Power Plant I Ultimate installed capacity
- each

(ii) Power Plant II

Ultimate installed capacity ...

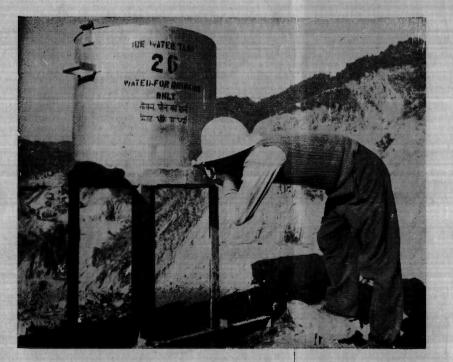
5 units of 90,000 KW each

5 units of 90,000 KW

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1,800,000

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The refreshing drink that help the work

Epilogue

The common man today looks to Bhakra as a harbinger of plenty—a magic wand that promises to change the face of Punjab.

Once dimly conceived, Bhakra Dam is now emerging slowly but surely as a concrete reality. The completion of this dam will indeed be a memorable milestone on the road to prosperity. We have pilgrimmed a long way and are now on the last leg of the journey. The climb that awaits us is steep and hazardous but we must proceed with stout hearts and firm feet.

"There are no resting places in the journey we have undertaken."

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