

BHAKRA DAM AND POWER PLANTS

FACTS AT A GLANCE

DAM			
Height	700 740	feet
Length at top	1700	feet
Length at bottom	325	feet
Width at top	30	feet
Width at base (excluding apron)	625	feet
Width at base (including apron and heel claystone plug)	1320	feet
Elevation of top of dam above sea level	1700	feet
Cost of dam and appurtenant works	65,91,00,000	Rupees
Total excavation	14,77,00,000	cubic feet
Total concrete	14,31,00,000	cubic feet
Cement required	8,00,000	tons
Aggregate required	89,00,000	tons
Total steel	1,00,000	tons

DIVERSION TUNNELS

No. of Diversion Tunnels	2	
Finished diameter of each tunnel	50	feet
Approximate length of each	$\frac{1}{2}$	mile
Discharge through the tunnels	2,90,000	cusecs max.

COFFER DAMS

Upstream Coffor Dam			
Height	215	feet
Length	560	feet

Downstream Coffor 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 displaced	30,000	
No. of villages to be submerged or partly submerged	366	

POWER PLANT

No. of Power Houses to be constructed	2 (Power Plant I & Power Plant II)
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(i) Power Plant I

Ultimate installed capacity	5 units of 90,000 KW each
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(ii) Power Plant II

Ultimate installed capacity	5 units of 90,000 KW each
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1,80,00,000

Epilogue



The refreshing drink that helps the work

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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