

State Profile

Ground Water Scenario of Goa

Area (Sq.km)	3,702
Rainfall (mm)	1999
Total Districts / Blocks	2 Districts/11 Talukas

Hydrogeology

The State is covered by rocks of Dharwar Super group and a small patch of Deccan basalts are overlain by quaternary alluvium. Ground water occurs under unconfined and semi-confined conditions in beach sands, laterites and weathered and fractured crystalline rocks. The yield prospects of ground water are in general more than 108 m³/hr in alluvium and less than 36 m³/hr in other formations.

Dynamic Ground Water Resources (2011)	
Annual Replenishable Ground water Resource	0.24 BCM
Net Annual Ground Water Availability	0.145 BCM
Annual Ground Water Draft	0.04 BCM
Stage of Ground Water Development	28 %
Ground Water Development & Management	
Over Exploited	NIL
Critical	NIL
Semi- critical	NIL
Artificial Recharge to Ground Water (AR)	<ul style="list-style-type: none"> ▪ Area identified for AR: 2027 sq. km. ▪ Volume of water to be harnessed: 528.69 MCM ▪ Volume of water to be harnessed through RTRWH: 5.76 MCM ▪ Feasible AR structures: <ul style="list-style-type: none"> ❖ Vented dams-1393 ❖ RTRWH(H)-9500 ❖ RTRWH(G&I)-500

Ground Water Quality Problems	
Contaminants	Districts affected (in part)
Iron (>1.0 mg/l)	North Goa, South Goa

Central Ground Water Authority

Areas Notified for Regulation of ground water development	NIL
---	-----