

DISTRICT SOUTH 24 PARGANAS HYDROGEOLOGICAL MAP



Legend

- Rock Type**
- Very fine sands and silts
 - Sands, silts and dark grey clays
 - Greyish black clay
 - Silty clay interbanded with sand and silt
 - District Boundary
 - Block Boundary

Projection & Geodetic System: GCS, WGS 1984

Symbol	Rock Type	Age	Lithology	Aquifer Description	Hydrogeology
	Alternate layers of sand, silt and dark grey clays with Arambag formation	Middle Holocene	Flood plane of river basin with levee, flood basin zone etc.	Aquifer with primary intergranular porosity	The groundwater yield is 40lit/ sec
	Silty clay interbanded with sand and silt horizons	Upper Holocene to Middle Holocene	Tide dominated deltaic plane with greyish black clay blanketing horizons	Fresh water overlaying by saline groundwater	Depth of water table ranges from 1m to 3m bgl and the fresh water is overlaying by saline ground water
	Sands, silts and dark grey clays	Middle Holocene	Lower mature deltaic plane with alternate layers of sand, silt and clay	Area where shallow tubewell irrigation is practised	The groundwater is yielded by shallow tubewell
	Very fine sand and silts	Upper Holocene	Lower active tide dominated deltaic plane with interbanded layers of sand and silts	Deeper aquifers are generally under flowing condition and shallow aquifer are brackish	The fresh ground water is yielded by deep tubewell of greater than 15.4m

Reference: CGWB & GSI