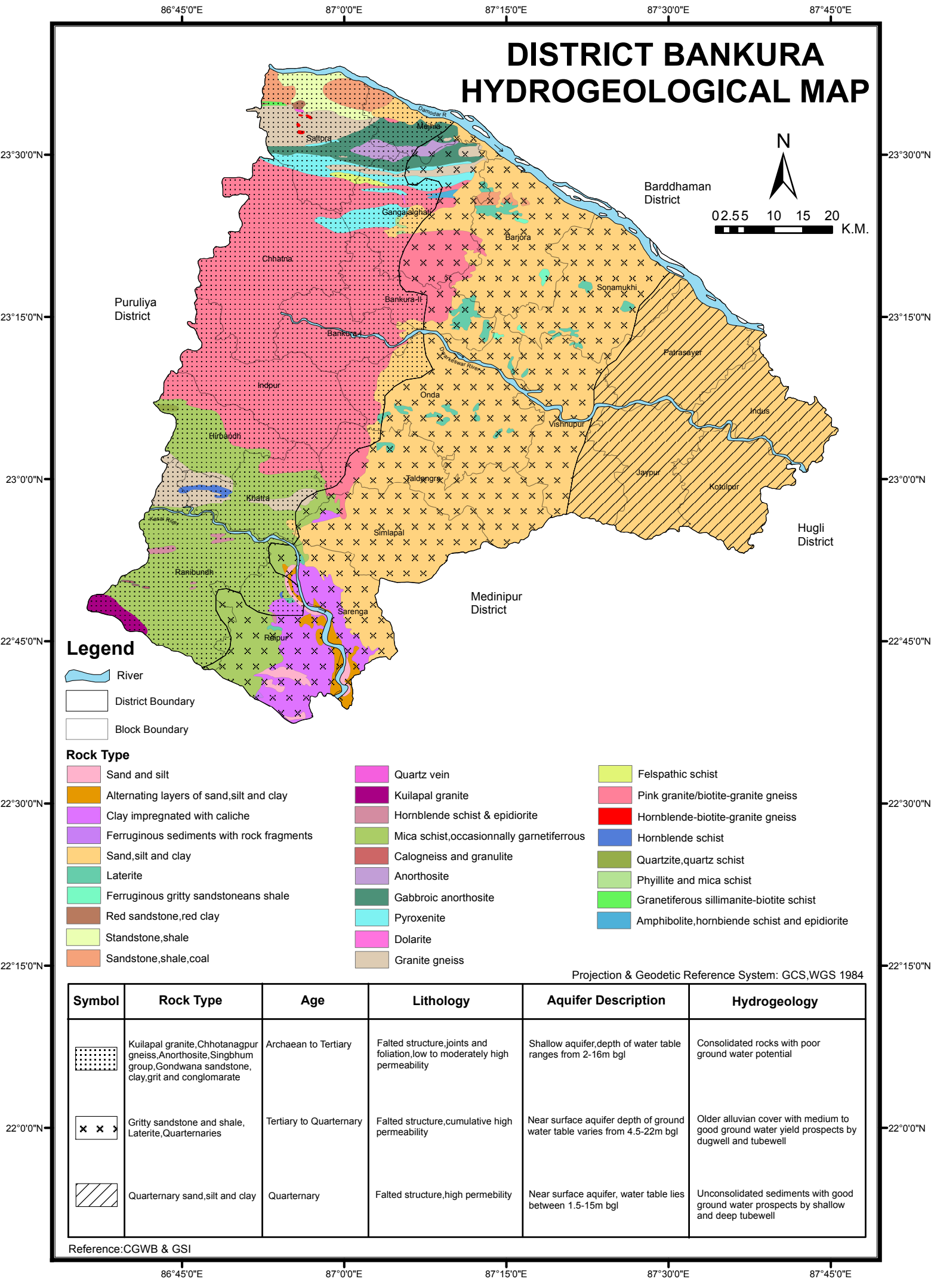


DISTRICT BANKURA HYDROGEOLOGICAL MAP



Legend

- River
- District Boundary
- Block Boundary

Rock Type

- | | | |
|---|--|--|
| Sand and silt | Quartz vein | Felspathic schist |
| Alternating layers of sand,silt and clay | Kailapal granite | Pink granite/biotite-granite gneiss |
| Clay impregnated with caliche | Hornblende schist & epidiorite | Hornblende-biotite-granite gneiss |
| Ferruginous sediments with rock fragments | Mica schist,occasionally garnetiferous | Hornblende schist |
| Sand,silt and clay | Calogneiss and granulite | Quartzite,quartz schist |
| Laterite | Anorthosite | Phyllite and mica schist |
| Ferruginous gritty sandstoneans shale | Gabbroic anorthosite | Granetiferous sillimanite-biotite schist |
| Red sandstone,red clay | Pyroxenite | Amphibolite,hornbiende schist and epidiorite |
| Standstone,shale | Dolarite | |
| Sandstone,shale,coal | Granite gneiss | |

Projection & Geodetic Reference System: GCS,WGS 1984

Symbol	Rock Type	Age	Lithology	Aquifer Description	Hydrogeology
	Kuilapal granite,Chhotanagpur gneiss, Anorthosite, Singbhum group,Gondwana sandstone, clay,grit and conglomerate	Archaean to Tertiary	Falted structure,joints and foliation,low to moderately high permeability	Shallow aquifer,depth of water table ranges from 2-16m bgl	Consolidated rocks with poor ground water potential
	Gritty sandstone and shale, Laterite,Quarternaries	Tertiary to Quarternary	Falted structure,cumulative high permeability	Near surface aquifer depth of ground water table varies from 4.5-22m bgl	Older alluvian cover with medium to good ground water yield prospects by dugwell and tubewell
	Quarternary sand,silt and clay	Quarternary	Falted structure,high permeability	Near surface aquifer, water table lies between 1.5-15m bgl	Unconsolidated sediments with good ground water prospects by shallow and deep tubewell

Reference:CGWB & GSI