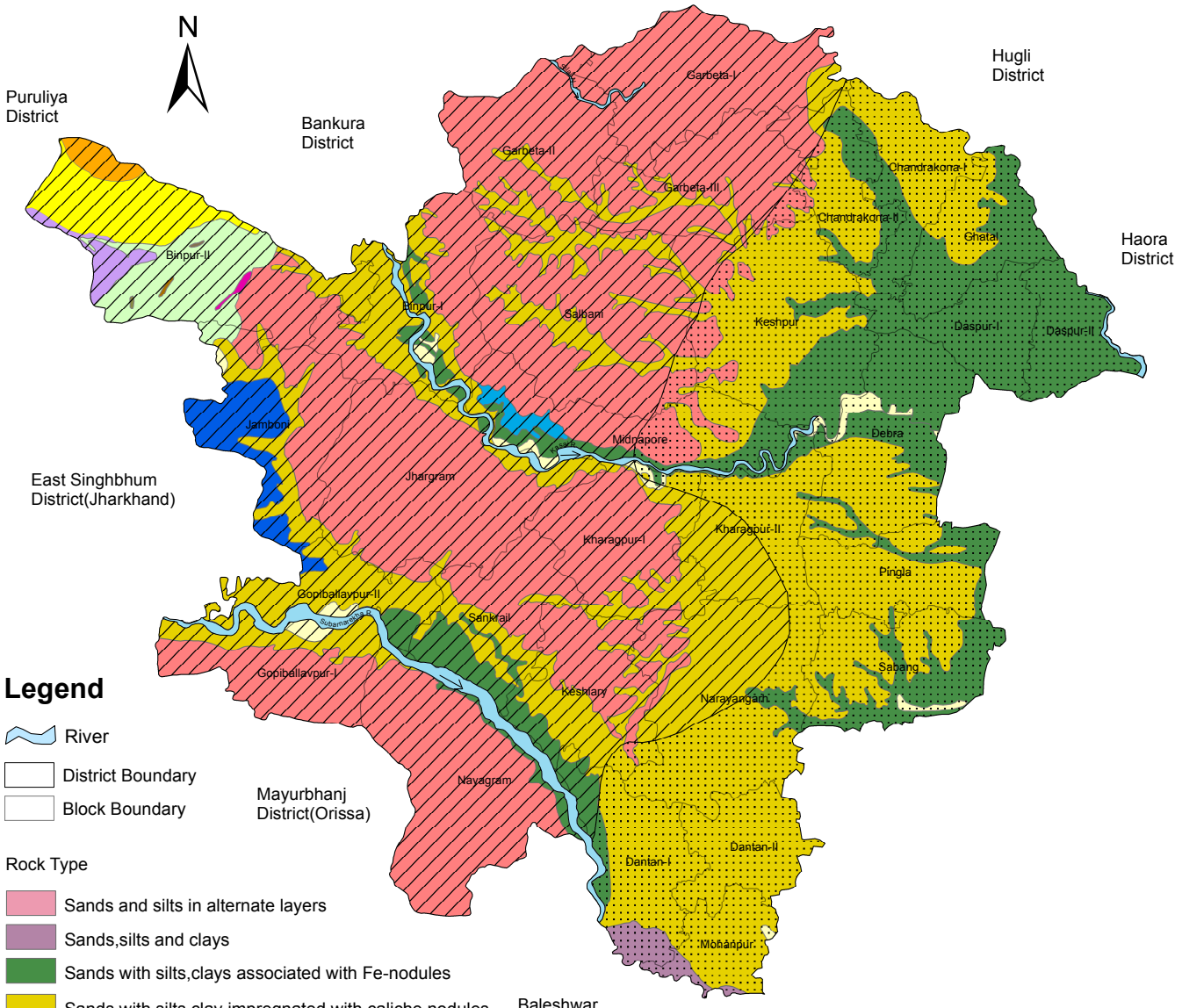
DISTRICT WEST MEDINIPUR
HYDROGEOLOGICAL MAP



Legend

- River
- District Boundary
- Block Boundary

Rock Type

- Sands and silts in alternate layers
- Sands,silts and clays
- Sands with silts,clays associated with Fe-nodules
- Sands with silts,clay impregnated with caliche nodules
- Quartz,phyllite,granite pebbles and gravels
- Laterite with occasional ring like growth of silica
- Gravels of different size
- Clay,grit and conglomereate
- Tourmaline-quartz rock
- Kuilapal granite
- Epidiorite
- Carbon phyllite
- Quartzite
- Granite-staurolite schist with kyanite
- Phyllite
- Mica schist

Projection & Geodetic Reference System: GCS,WGS 1984

Symbol	Rock Type	Age	Lithology	Aquifer Description	Hydrogeology
	Mica schist,phyllite,garnet-staurolite schist with kyanite, quartzite,epidiorite,hornblende schist,granite,tourmaline,grit, conglomereate and grey clay wiyh caliche nodules	Paleo-Proterozoic to Upper Pleistocene	Low permeadility,faults, fiassure and foliation at pre Quarternary group	Groundwater under confined condition. Depyh to water ranges from 3-18m b.g.l.	Groundwater yield prospect in hardrock areas 5-7 lit/sec, in the marginal alluvial tract 7-10 lit/sec and in the Quaternary formation 30-50 lit/sec
	Sand,silt and clays with caliche and ferrous nodules	Upper Pleistocene to Holocene	Very high permeadility, durickcrusts	Groundwater under confined condition. Near surface aquifers lie within 6-20m b.g.l.	Groundwater yield prospect 20-44 lit/sec

Reference:CGWB & GSI