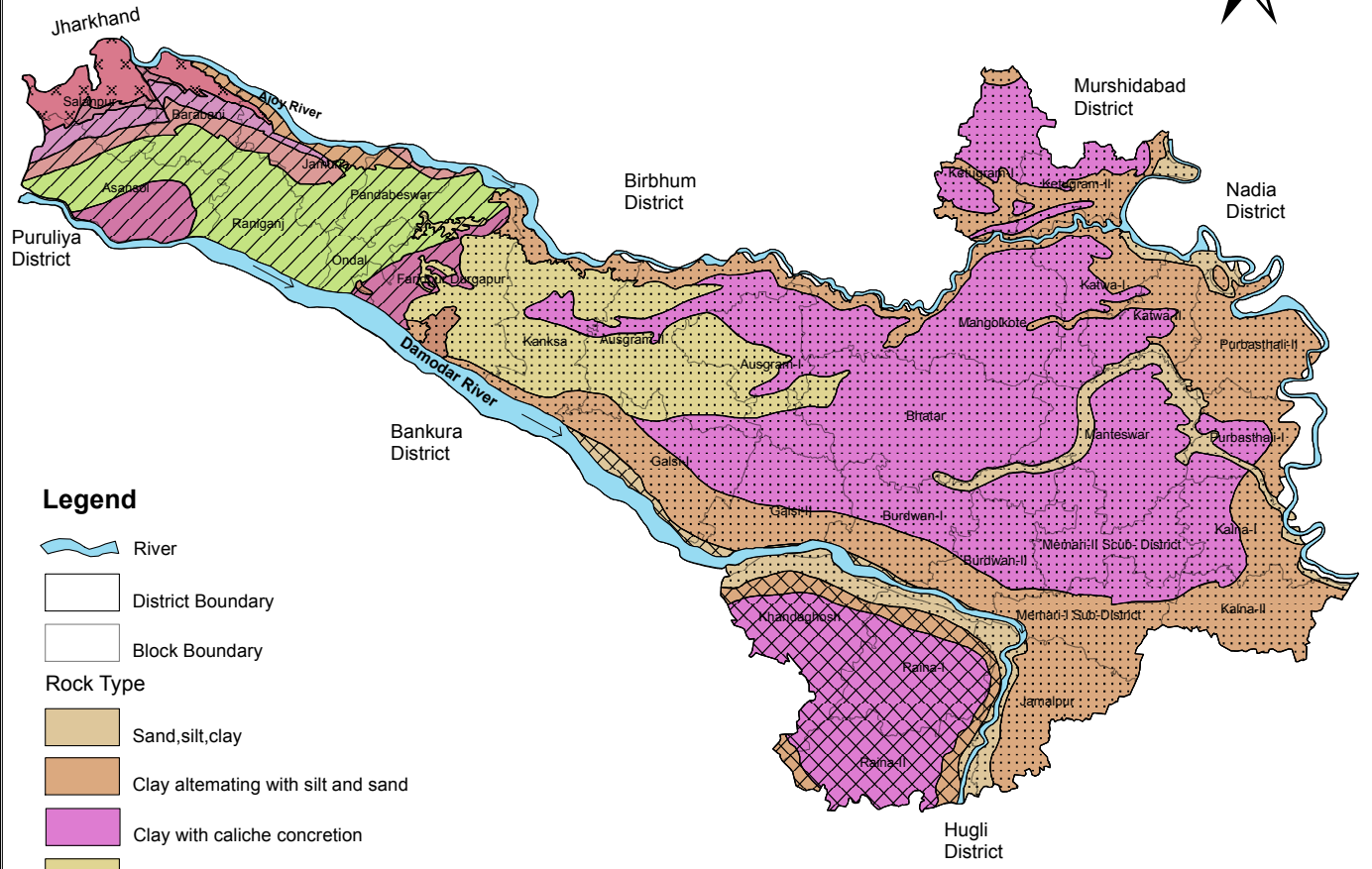
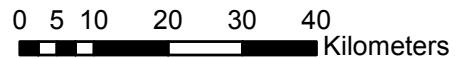


DISTRICT BURDWAN HYDROGEOLOGICAL MAP



Legend

- River
- District Boundary
- Block Boundary
- Rock Type**
- Sand, silt, clay
- Clay alternating with silt and sand
- Clay with caliche concretion
- Laterite
- Very coarse sandstone
- Red shale, sandstone
- Fine grained sandstone, siltstone with coal seams
- Micaceous shale, sandstone
- Gritty pebbly sandstone with coal seams
- Sandstone, conglomerate
- Granite gneiss and migmatite



Projection & Geodetic Reference System: GCS, WGS 1984

| Symbol | Rock Type | Age | Lithology | Aquifer Description | Hydrogeology |
|--------|---|-------------------------------------|--|--|---|
| | Sand, silt and clay with caliche concretion | Upper pleistocene to upper holocene | Upper mature deltaic plain & paradeltaic flood surface | Fairly thick & regionally extensive confined / unconfined aquifer down to 300m | Moderate yield prospects, 50m - 150 cum/ hr |
| | Laterite, coarse sand stone, silt and clay | Cainozoic | Upper mature deltaic plain & paradeltaic flood surface | Fairly thick & regionally extensive confined / unconfined aquifer down to 300m | Large yield prospects, 50m - 150 cum/ hr |
| | Sandstone, conglomerate micaceous shale and siltstone | Permo-Carboniferous to Triassic | Pediplain with scattered rock fragment constituting pebbles & gravels of quartz, feldspar & basic rocks | Moderately thick & regionally extensive confined / unconfined aquifer down to 150m | Limited yield prospects, below 50 cum/ hr |
| | Granite gneiss and migmatite | Archean | Pediplain with scattered rock, fragment constituting pebbles & gravels of quartz, feldspar & basic rocks | Groundwater restricted to weathered residuum and secondary porosities | Limited yield prospects, about 5 cu m/ day from dugwells & 5 cum/ hr from small diameter domestic tubewells |

Reference: CGWB & GSI