



GEODETIC REFERENCE FRAME IN BANGLADESH

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- ❖ **Survey of Bangladesh (SOB) being the national mapping organization is responsible to maintain the National Geodetic Network and its reference frame**
- ❖ **The old geodetic network of Bangladesh was established in 1916 by triangulation**
- ❖ **Current geodetic network of the country was established by Global Positioning System (GPS) during 1992-1994 and the reference frame was ITRF 1992**



Established: 1994

Ref. Frame: ITRF1992

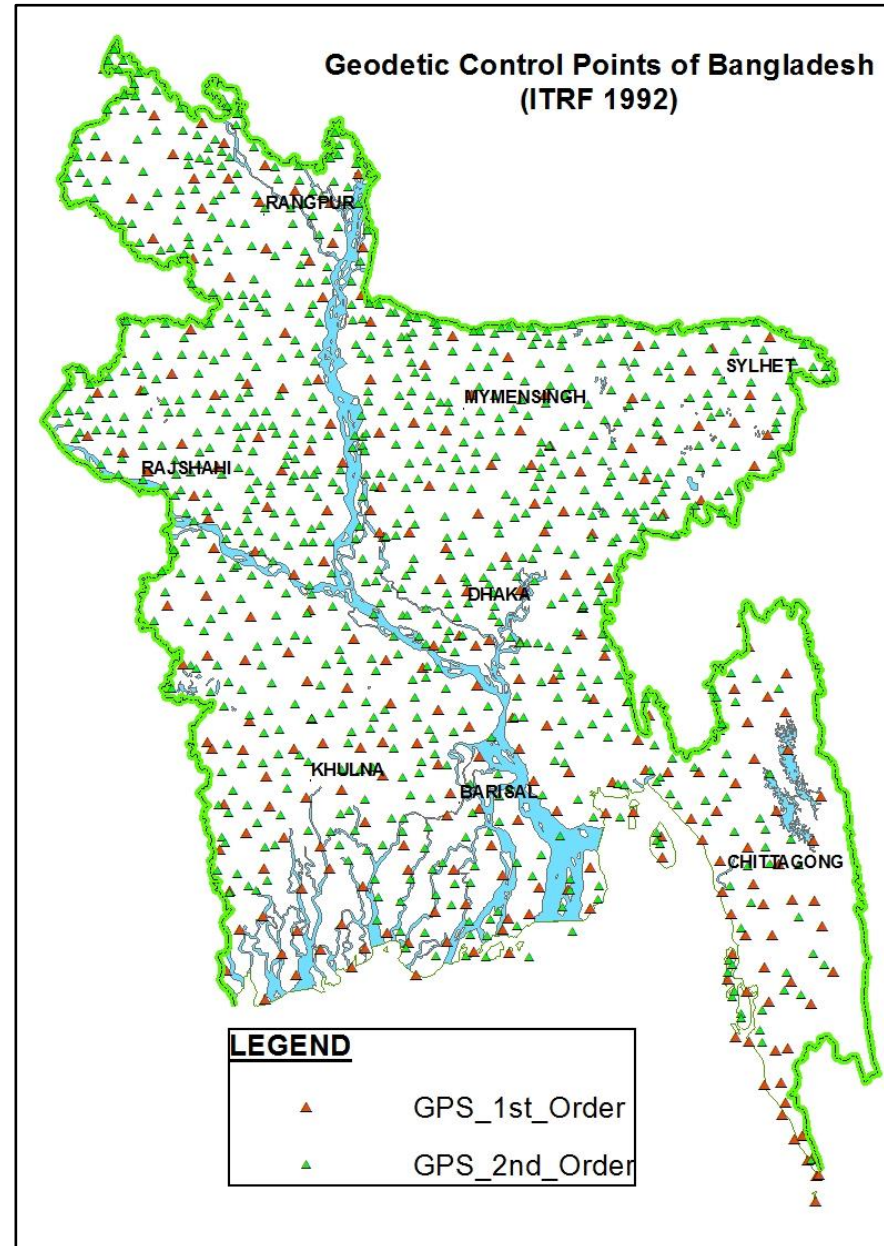


CONTROL POINTS IN ITRF 1992

1st Order Control Points: 260

2nd Order Control Points: 817

Total Control Points: 1007

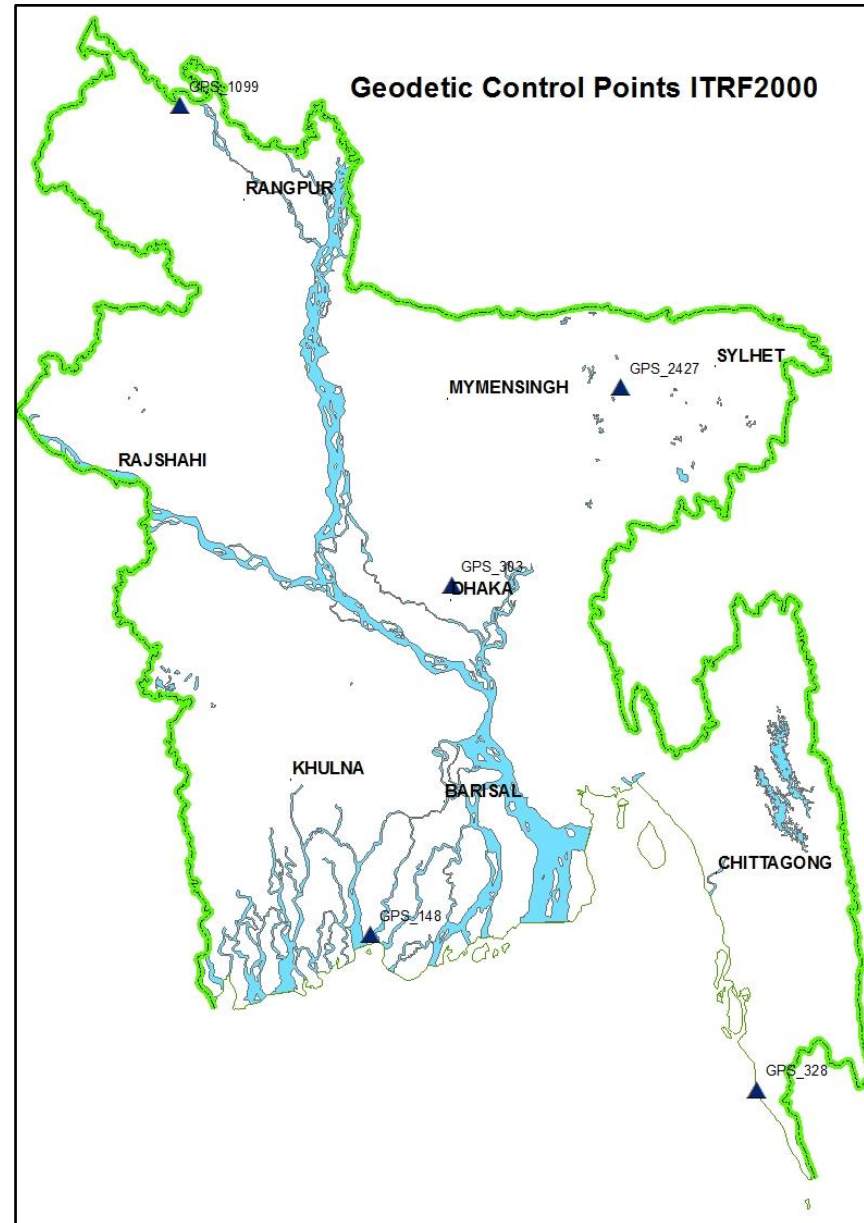


CONTROL POINTS IN ITRF 2000

Number of Stations: 05

**Observation Done: 2006
(APRGP GNSS Campaign)**

Ref. Frame: ITRF2000

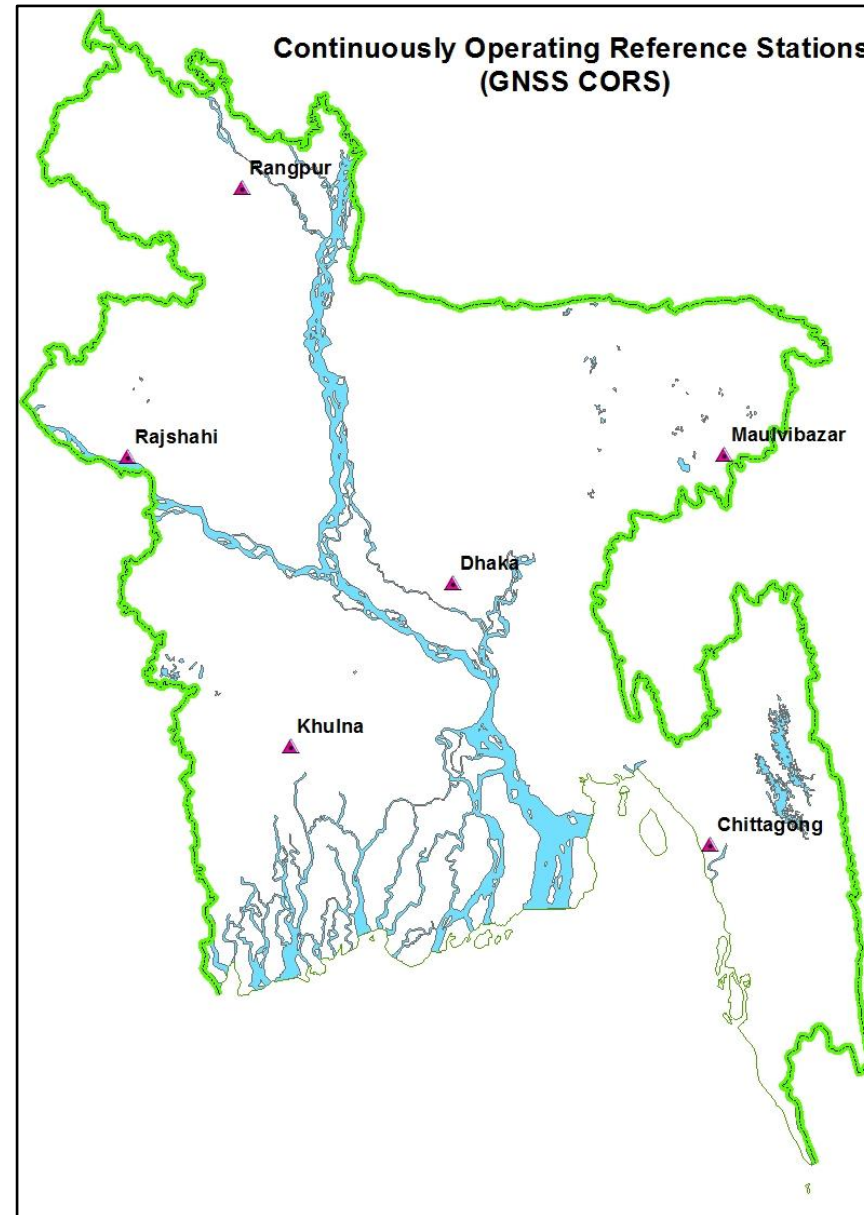


ESTABLISHMENT OF REFERENCE POINTS IN ITRF 2008

Number of Stations: 06

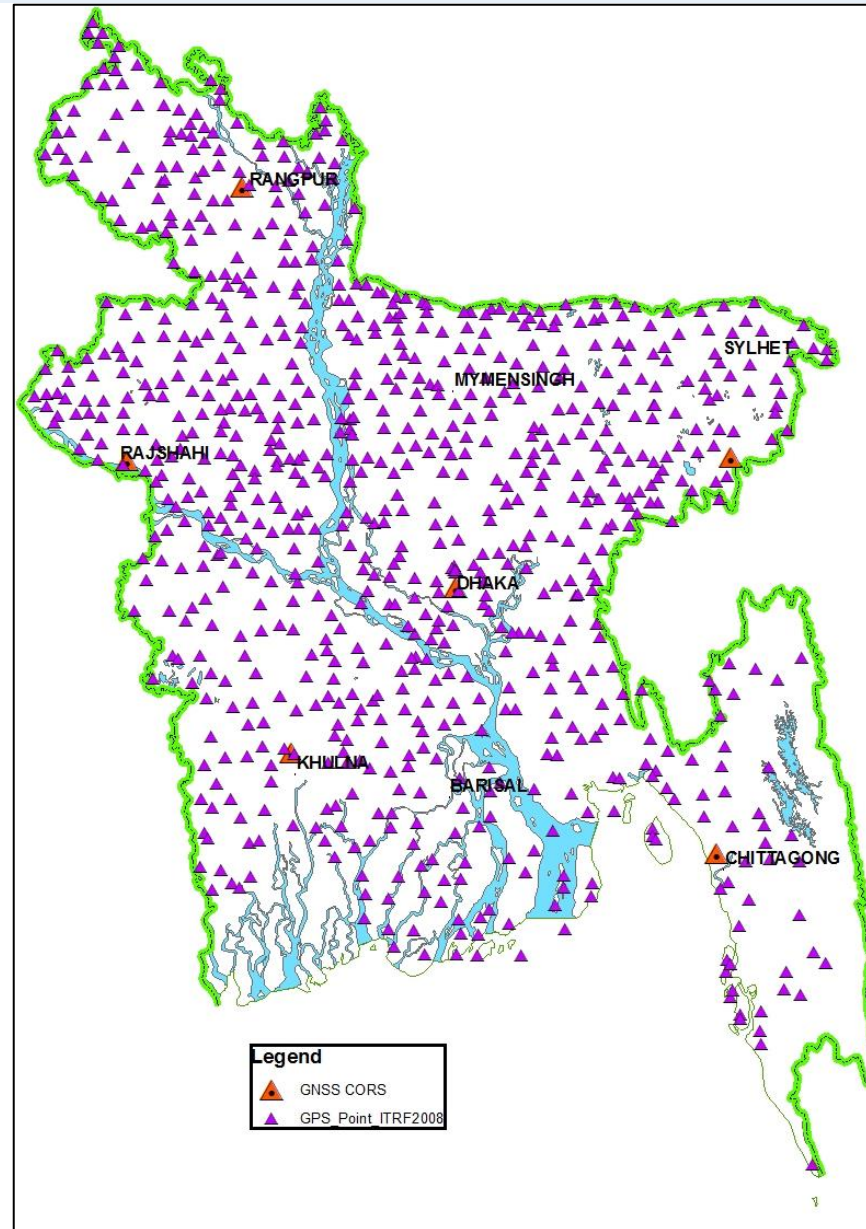
Established: 2011

Ref. Frame: ITRF2008



CONTROL POINTS IN ITRF 2008

Number of Control Points: 839

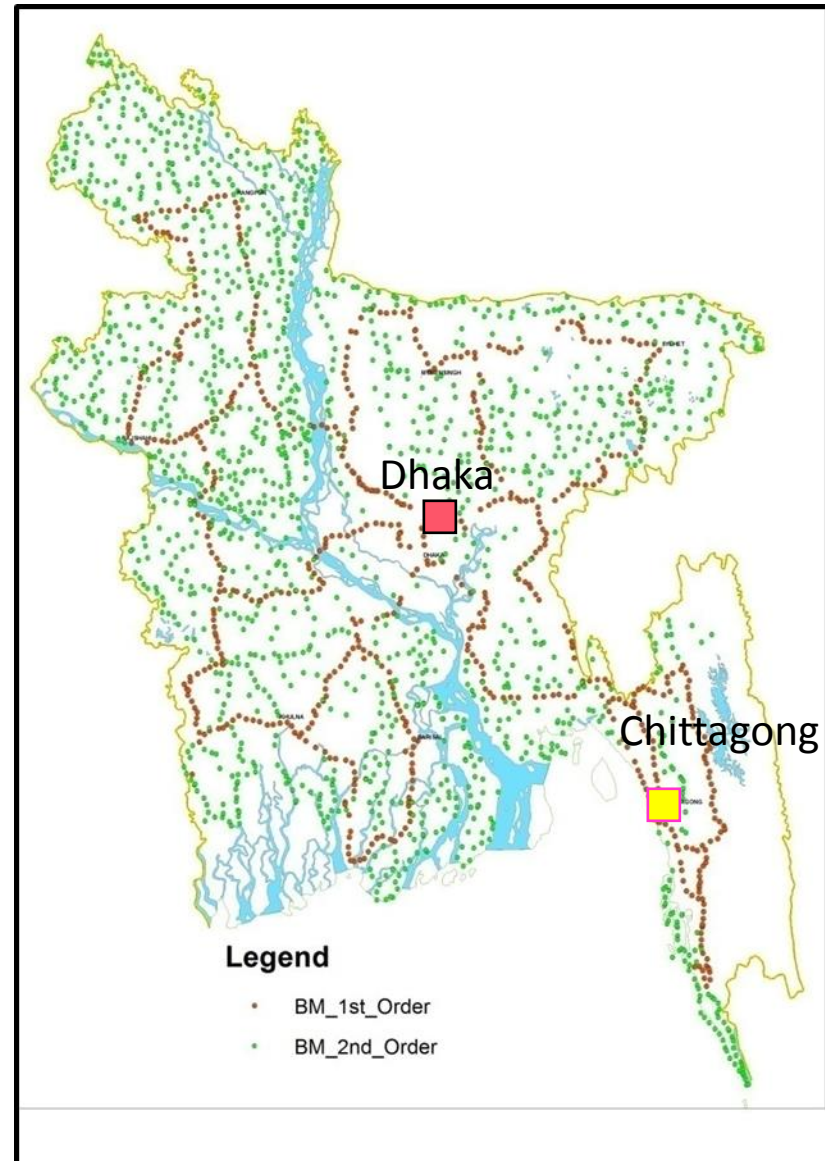


VERTICAL REFERENCE FRAME

1st Order Benchmarks: 662

2nd Order Benchmarks : 1567

Total Benchmarks : 2229



TIDAL OBSERVATION STATION

Established: 1993

MSL (1993-1994) = 3.486m

MSL (1994-2012) = 3.478m

MSL (1995-1995) = 3.485m



- **To establish more GNSS CORS all over the country**
- **To convert all control points into ITRF 2014**
- **To established more tidal observation stations**



THANK YOU