

Hydrology Project

Hydrological Information is required to provide reliable data sets for long term planning, design and management of water resources and water use systems and research activities in related aspects together with improvement in the infrastructure for data collection. In Odisha, under Hydrology Ph-I funded by World Bank, 56 river gauge stations, all

of which are equipped with rain gauges and 9 Full Climatic Stations (FCS) have been established. The data after being collected are processed through dedicated software like SWDES and HYMOS and exchanged with CWC and IMD for inter agencies data validation. Basinwise Hydrological information system network developed are given in the following table.

Table - 4.14 Hydrological Information System Network

Basin	Standard Rain Gauge Station (Nos)		ARG (Nos)	RGS (Nos)		FCS (Nos)	WQ / Sed Laboratories (Nos)	
	HP	Non-HP		G.D.	WL		Sed.	WQ + Sed
Subarnarekha	2	-	1	2	-	-	1	1
Budhabalanga	2	-	-	-	-	1	1	1
Baitarani	2	7	1	2	-	1	1	1
Brahmani	4	-	-	2	2	-	1	1
Mahanadi	29	20	4	21	6	4	10	3
Rushikulya	5	2	3	5	1	1	2	1
Vamsadhara	3	5	-	3	-	1	1	1
Nagabali	2	-	-	2	-	-	2	1
Indravati	3	-	2	4	2	1	1	1
Kolab	4	-	1	3	1	-	-	-
TOTAL	56	34	12	44	12	9	20	11

ARG -Automatic Rain Gauge, RGS-River Gauge Station, GD- Gauge Discharge, WL-Water Level, FCS-Full Climatic Station, WQ- Water Quality, Sed-Sedimentation.



Installation of Automatic Water Level Recorder at Nesa Dam

