

## **BRIEF ON NATIONAL FLOOD PROTECTION PLAN-II (NFPP-II)**

### **Salient Features:**

**Estimated Cost:** Rs. 8500 Million

**Period of Gestation:** 1988-98

**Outcome:** •

- i. A total of 436 schemes (170 under N/EFP, 256 under FPSP-I & 10 under PM's River Management Programme) were executed.
- ii. Procurement & installation of Meteor-burst Telecommunication System (Phase-I) including one Master Station and 24 remote sensing stations.
- iii. Installation of 10-CM Quantitative Precipitation Measurement (QPM) Weather Radar at Flood Forecasting Division (FFD) Lahore.
- iv. Pre-feasibility studies for four Barrages i.e. Sulemanki, Balloki, Trimmu & Punjnad for increasing their design discharge capacity to carry increased flood flows in view of 1992 floods.
- v. Preparation of Flood Plain Maps of Indus River (5-reaches i.e. Chashma-Taunsa, Taunsa-Guddu, Guddu-Sukkur, Sukkur-Kotri & Kotri-Sea Reach).

**Expenditure:** Rs. 6231.127 Million

Normal/Emergent Flood Programme: Rs. 805.331 million,

Flood Protection Sector Project-I: Rs. 4812.410 million

PM's River Management Programme: Rs. 613.386 million

### **Objectives:**

- i. Reduce flood damages and sufferings through a technically sound and economically viable strategy;
- ii. Give priority to areas of potentially higher economic flood hazard or human sufferings like cities, irrigation works or other vital infrastructure;
- iii. Make maximum use of existing flood control/protection facilities.
- iv. Adopt flood control measures which should not adversely affect downstream reaches as far as possible;
- v. Make maximum efforts to utilize flood flows in the hill torrents areas.
- vi. To adopt multi-purpose approach for management & utilization of flood flows of hill torrents for development of irrigation and other socio-economic activities as far as possible;
- vii. To apply structural and non-structural flood management measures in combination.
- viii. Minimize adverse effects on natural ecosystem and environment.

**Issues & Gaps etc:** Due to paucity of funds, all the proposed works could not be executed.