

**1. Maintenance/Sustenance of Irrigation** 

Repair of irrigation canals prior to water

a. Plug holes, cracks and leaks in canal

b. Desilting works



d. Mend paddy dikes

e. Clearing operations (grass cutting/ hauling of debris)



b. Adopt short growing varieties

- Plant short-growing (<120 days) rice varieties - Rice varieties of short growing varieties like 222,216,300,226 PSBRCB (Talavera) NSIC RC 3942 (Tubigan 32)











f. Watershed Management

watershed systems Reforestation of 146 priority irrigation

stream backflow Establish tree plantation to improve



stakeholders' heightened awareness 7. Conduct of information campaign for

Edsa, Diliman, Quezon City National Irrigation Administration In coordination with **Operations Department** Public Attairs and Information Staff Produced by the



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**Structures and Facilities** 

delivery



c. Oiling of gates



#### 2. Crops Consideration



a. Use of drought resistant HYV of rice during dry season



### **3.Implement Water Management**

Adjust Cropping Calendar and Pattern of Planting (if applicable)



a. Move cropping schedule (Parallelogram) by 1-2 weeks earlier



**b. Rationalize Program Area** Program area to be irrigated based from dependable water supply



c. Adopt Rotational Water Distribution



d. Adopt Alternate Wetting and Drying (AWD)



e. Maximize use of water to mitigate losses in irrigation drainages



**f. Active participation of tech-demo farms by Irrigators** Associations in cooperation with state universities and colleges



# 4. Installation of Supplemental Machineries and Equipment for Water Augmentation

Installation of water augmentation pumps

Put up water augmentation pumps where ground water exists (regular pumps and shallow tube wells)



5. Carryout Cloud Seeding Commission cloud seeding operations



# **B. Long-term Measures**



**1. Re-use Structures to Collect Drainage Discharge** 



**3. Assess streamflow and rainfall reduction by El Niño to improve planning data** 



### 2. Cap/Regulate Water Withdrawals

Put a cap to and regulate offtake diversions to trim water wastage



## 4. Concrete Line Irrigation Canals

Concrete-line irrigation canals to reduce water loss from conveyance