

Flood Early Warning System in Cambodia

Flood marks installation in villages

➤ Method :

Flood marks was installed at the villages in some provinces by DHRW.

In flood season staff gauge read water level at 19:00pm and 07:00am, then sent data to DHRW, and DHRW makes flood forecast bulletin.

DESCRIPTION OF STATION		
Station name: Veal Thum 1	Elevation: 8.633 m GH Elevation = 8.945 m	Date: /01/2002
Vertical Datum: MSL Hatien	Picture: 	
Location: WGS84 Datum 48 P 505913 UTM 1265669 Staff gauge from 4 m to 5 m		

Station name: Prek Ta Ong III 1	Elevation: 8.633 m GH Elevation = 7.915 m	Date: 15/01/2002
Vertical Datum: MSL Hatien	Picture: 	
Location: WGS84 Datum 48 P 504743 UTM 1276125 Staff gauge from 3 m to 4 m		

Station name: Veal Thum 2	Elevation: 8.633 m GH Elevation = 7.945 m	Date: 15/01/2002
Vertical Datum: MSL Hatien	Picture: 	
Location: WGS84 Datum 48 P 506006 UTM 1275829 Staff gauge from 3 m to 4 m		

Station name: Prek Ta Ong III 2	Elevation: 8.633 m GH Elevation = 6.916 m	Date: 15/01/2002
Vertical Datum: MSL Hatien	Picture: 	
Location: WGS84 Datum 48 P 504795 UTM 1276239 Staff gauge from 2 m to 3 m		

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➤ **Result :**

Flood Forecast bulletin was product by model of Research and Flood Forecasting Office in Department of Hydrology and River Works, MOWRAM.

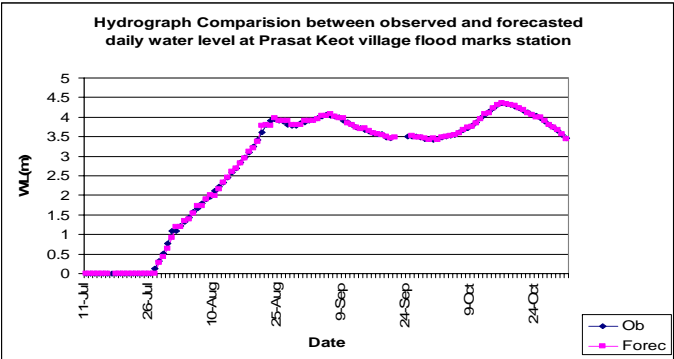
And disseminated every day by fax and e-mail to other users and finally reach the people in the villages by radio, TV and showing on the information board .

We forecasted flood water level by using our model, and the result was 80% to 90% correctly.

Ministry of Water Resources and Meteorology
Kingdom of Cambodia
Flood Forecast Bulletin

Province Name	Forecasted Water Level (m)	Forecasted Date	Forecasted Water Level (m)	Forecasted Date	Forecasted Water Level (m)	Forecasted Date
Preah Vihear	1.000	11-Jul	1.000	11-Jul	1.000	11-Jul
Preah Vihear	1.000	26-Jul	1.000	26-Jul	1.000	26-Jul
Preah Vihear	1.000	10-Aug	1.000	10-Aug	1.000	10-Aug
Preah Vihear	1.000	25-Aug	1.000	25-Aug	1.000	25-Aug
Preah Vihear	1.000	9-Sep	1.000	9-Sep	1.000	9-Sep
Preah Vihear	1.000	24-Sep	1.000	24-Sep	1.000	24-Sep
Preah Vihear	1.000	9-Oct	1.000	9-Oct	1.000	9-Oct
Preah Vihear	1.000	24-Oct	1.000	24-Oct	1.000	24-Oct
Preah Vihear	1.000	11-Jul	1.000	11-Jul	1.000	11-Jul
Preah Vihear	1.000	26-Jul	1.000	26-Jul	1.000	26-Jul
Preah Vihear	1.000	10-Aug	1.000	10-Aug	1.000	10-Aug
Preah Vihear	1.000	25-Aug	1.000	25-Aug	1.000	25-Aug
Preah Vihear	1.000	9-Sep	1.000	9-Sep	1.000	9-Sep
Preah Vihear	1.000	24-Sep	1.000	24-Sep	1.000	24-Sep
Preah Vihear	1.000	9-Oct	1.000	9-Oct	1.000	9-Oct
Preah Vihear	1.000	24-Oct	1.000	24-Oct	1.000	24-Oct

Table of Flood Forecast Bulletin in 40 villages



Comparison of observed and Forecasted water level in the villages in Prey Veng Province.

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➤ Conclusion :

Cambodia is affected by flood every year, So FHM is useful for Cambodian. But still now it is not establish yet. So the important information on flood is Flood forecast water level.

In flood season people need flood forecast water level for solve the problem and care their lives and their crops in the farm.

So they go to see flood forecast bulletin on the flood information board.

Then they can reduce the risk from flooding.

