

TF-VE meeting

I am honored to attend the TF-VE meeting.
I appreciate chairman and members.

Toshihiko Kuno

Doctor of Agriculture

– optimization of farm reservoir

Company Executive of Sanyu Consultants Int.

– firming program, participatory planning

VE in Japan

1. In 1997 Japanese Government implemented VE for cost reduction
2. In 1998 Ministry of Agriculture, Forestry, and Fishery of Japan started the VE Training Program and developed the VE implementation manual.



VE



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VE in Japan

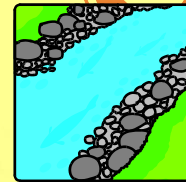
1. Internal VE meeting
 - ◆ Information and intelligence sharing
 - ◆ By Individual organization
 - ➔ Collection of VE record is difficult.
2. VE with experts discussion
 - ◆ VE bring the better idea
 - ➔ Jiid has many VE records.

JIID: The Japanese Institute of Irrigation and Drainage

According to JIID VE Records

JIID has promoted 80 cases since 1998.

Subjects for VE are Dam, head works, pump station, canal works, pipeline, tunnel, farm pond, bridge, removal works, and other



According to JIID VE Records

Number of VE for

Basic Design < Detail Design

	unit	Basic Design	Detail Design	Total
VE case	number	20	60	80
Original Cost	million yen	89,743	106,698	196,441
Cost Cut	million yen	8,224	15,896	24,120
VE Cost	million yen	109	329	438
Ave. Cost Cut	million yen/case	411	265	301
Cost Cut Ratio	%	9.2%	14.9%	12.3%
Efficiency		75.62	48.33	55.11

Recent Issue

For Irrigation and Drainage Project

- ◆ Cost Control
- ◆ Life Cycle Cost (introduced from 2006)

Potential of VE

- ◆ Both benefit and Cost oriented