

**Minutes of the 5th Meeting of the
TASK FORCE ON VALUE ENGINEERING (TF-VE)**

09 November 2016: 09:00-10:30 hours (Session-I)

09 November 2016: 11:00-12:30 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: Knowledge

Presented by the Chairman

Year of Establishment: 2012

Completion of the Mandate: 2016

Mandate: The objective of the Task Force (TF) would be to promote the application of Value Methodology (Value Engineering, Value Analysis, Value Planning, Value Management and Value Engineering Change Proposal (VECP) in irrigation, drainage and flood management projects to increase benefits, reduce cost and ensure sustainable irrigated agriculture.

Terms of Reference (ToR)

1. Develop a Website on application of Value Engineering in Irrigation and Drainage projects
2. Produce a Documentary on application of Value Engineering in Irrigation and Drainage projects
3. Organize workshops and seminars on application of Value Engineering in Irrigation and Drainage projects
4. Prepare a Manual on application of Value Engineering in Irrigation and Drainage projects

Members Present: (1) Dr. Kamran Emami (Iran), Chairman; (2) Mrs. Remziye Yildiz Gulagaci (Turkey), Vice-Chairman; (3) Ir. Nor Hisham M. Ghazali, Secretary (Malaysia); (4) Mr. Suman Sijapati (Nepal); (5) Dr. Toshihiko Kuno (Japan); and (6) Er. Harish Kumar Varma, Executive Director, ICID.

Honourable Member Present: VPH Dr. Hüseyin GUNDOGD (Turkey).

Observers: (i) VPH Dr. Hüseyin GUNDOGD (Turkey); (ii) Ir. Mohammad Asif (Afghanistan); (iii) Dr. Gurbachan Singh (India); (iv) Mr. Ahmet Seren (Turkey); (v) Ir. Omer Faruk Akbucut (Turkey); (vi) Ir. Mohd Anuar Musardar Yusoff (Malaysia); (vii) Ir. Wan Noorul Hafilah Wan Ariffin (Malaysia); and (viii) Ir. Mohamad Razali bin Motto Nazri (Malaysia).

Website: <http://tf-ve.icidonline.org/>

TF-VE Minutes Item 1: Action taken Report by Chair

1. Dr. Kamran Emami, Chairman of the TF-VE presented the report on actions taken on the decisions made during the Montpellier (2015), France meeting. WG Chair referred to the worldwide experience of VE, mentioned that usually it took a long time for VE to be fully functional. For example, VE started in General Electric in 1947 but serious application of VE in U.S. highways started 50 years later in 1997. In Japan, VE started in 1960 but the first application of VE in irrigation projects started only in 1998. WG Chair added that VE has complex methodology which is the main reason that there are few applications of VE in irrigation and drainage projects.

TF-VE Minutes Item 2: Internal Workshop of TF-VE at Chiang Mai, Thailand in 2016

2. An Internal Workshop on 'The Challenges of effective and efficient application of Value Engineering in Irrigation and Flood Projects' was organised by TF-VE on 09 November 2016 at Chiang Mai, Thailand wherein following four presentations and documentaries were presented:

- (a) Application of VE in irrigation and flood Projects
- (b) Challenges of application of VE in irrigation projects in Japan
- (c) Value Engineering of surface water project
- (d) Value Engineering in federal highways in U.S.

3. The members and observers discussed the reason why it would take a very long time for VE to be fully functional in an organization or discipline and concluded that there may be number of reasons as indicated below.

- (a) Vaccination (everybody thinks he or she know VE intuitively)
- (b) Required deep understanding of Senior management
- (c) Lack of Belief in effectiveness and efficiency of this proven technique
- (d) Inadequate investment
- (e) Complexity of the methodology

- (f) Lack of experience
- (g) Resistance to change
- (h) Governmental financing of the projects
- (i) Limited number of VE experts
- (j) Poor certification
- (k) Poor training
- (l) Lack of strong support from senior management
- (m) Lack or inadequate laws and regulations
- (n) Lack of VE program
- (o) Need for whole brain thinking
- (p) Large scale of many irrigation and drainage projects

4. The chair circulated the presentations and films of the internal workshop to the members and observers during the meeting.

TF-VE Minutes Item 3: Publication of the TF-VE

5. WG discussed the issue and modalities of bringing out a manual on 'Application of Value Engineering in Irrigation and Flood Projects' and decided on the following contributions from the members to finalise publication:

- (a) Japan: 5 case studies of application of successful VE in irrigation and drainage projects in Japan
- (b) Malaysia: 5 case studies of application of successful VE in irrigation and flood projects in Malaysia
- (c) Iran: 5 case studies of application of successful VE in irrigation and drainage projects in Iran
- (d) Afghanistan: 5 case studies of application of successful VE in irrigation and drainage projects in world.

6. The deadlines for submission of the case studies has been agreed as the end of 2016.

TF-VE Minutes Item 4: Dissemination of Information – Web site

7. The members were requested to provide material, document, reports, presentations etc. for uploading on TF website to enrich contents on the TF website.

TF-VE Minutes Item 5: Closure report of the Task Force

8. WG members discussed the issue of the closure of the TF. There was a strong consensus about the need for promoting VE in ICID which would need more time and WG recommended the formation of a working group on Value Engineering to PCTA, which was accepted in principle with the suggestion to develop the scoping document for new WG. The TF Chair was assigned to prepare the closure report and circulate to all members of the TF before submitting to ICID CO.

9. As per procedure approved by the IEC for setting up of the new WGs, TF-VE, acting as a core group, will prepare scoping document and circulate to its members for comments, if any and submit updated SD incorporating comments of the members to the ICID CO for circulation to all NCs to ascertain their interest in the activities of the WG and their suggestions/comments as well as for nominating members for the WG. The SD will be further discussed and finalized during the next meeting at Mexico City in 2017 for its approval by PCTA/IEC. The membership status is given in **Annex 5 (page 33)**.

TF-VE Minutes Item 6: Any other business

