

**Minutes of the 6<sup>th</sup> Meeting of the  
TASK FORCE ON VALUE ENGINEERING (TF-VE)**

11 October 2017: 13:30-15:00 hours (Session-I)  
11 October 2017: 15:30-17:00 hours (Session-II)  
Mexico City, Mexico

**Strategy Theme: Knowledge**

**Presented by the Chairman**

**Year of Establishment: 2012**

**Extended completion of the Mandate: 2017**

**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) Ir. Nor Hisham M. Ghazali, (Malaysia), Secretary; (3) Dr. Toshihiko Kuno (Japan); (4) Mr. Suman Sijapati (Nepal); and (5) Er. Harish Kumar Varma, Executive Director, ICID.

**Observers:** (i) Ir. Saheer Norouzi (Iran); (ii) Ir. Hidefumi Murashita (Japan); (iii) Ir. Yoji Imayoshi (Japan); (iv) Ir. Sung-Soo Bang (Korea); (v) Mohd. Adnan Ahmad Fanzi (Malaysia); and (vi) VPH I.K. Musa (Nigeria).

**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 Chiang Mai (2016), Thailand.

**TF-VE Minutes Item 2: Publication of the TF-VE**

2. TF Chair presented the general layout of the TF publication on VE entitled “Value Engineering Applications in Irrigation, Drainage and Flood Projects”, which was approved by the TF after discussion. Dr. Toshihiko Kuno (Japan) presented 5 case studies on Value Engineering of irrigation projects. (i) National Reclaim and Construct Project in South KIMOTUSKI Area; (ii) Rehabilitation Project of MIYAGAWA Irrigation Area; (iii) Rehabilitation Project of RYOUTIKU PLAIN Irrigation Area; (iv) Rehabilitation Project of YAHAGI-GAWA Irrigation; and (v) Japanese National Irrigation and Drainage Project of SO-HOKUBU Area, which also indicate saving in cost due to application of value engineering. These case studies would be included in the TF publication. It was decided that the results of the application of VE in these case studies be circulated to the NCs and members of the TF for their comments/suggestions, if any. Chair pointed out that the draft version of the publication will be submitted to the ICID Central Office by the end of January 2018 for final editing. TF members are of the view that the VE has huge potential in saving cost of irrigation, drainage and flood projects and supporting goals of ICID Vision 2030.

**TF-VE Minutes Item 3: Dissemination of information- Website**

3. TF Chair requested members to provide material, document, reports, presentations etc. for uploading on TF website to enrich contents on the TF website. After discussion, it was agreed to upload the following documents on VE on the TF website: (i) Presentations of Training Workshop for Young Professional entitled “Value Engineering: An Effective and Efficient methodology for Enhancing irrigation, drainage and flood management projects”; (ii) Films on introduction to Value Engineering; (iii) Papers presented by the Chair in IDW in Ahwaz, Iran in 2017 entitled “Value Engineering for Unbiased Design”; (iv) The case studies of VE in

irrigation projects in Japan; and (v) Other presentations of the TF on VE. TF Chair will provide these documents to ICID CO for uploading on the TF web site.

**TF-VE Minutes Item 4: Closure report of TF and Scoping Document for a new WG**

4. TF Chair presented a Closure report and updated Scoping Document with the revised mandate for a new Working Group on Value Engineering (WG-VE) to PCTA. TF Chair was requested to send closure report to ICID CO for records and uploading on website of the TF. Revised mandate of the new WG-VE is as follows:

**Mandate of the WG-VE**

- (a) To motivate ICID National Committees in various countries to set up their National Working Groups.
- (b) To provide guidance to compile, publish, update and/or translate documents on Value engineering projects (irrigation, drainage, flood management, and river engineering);
- (c) To promote inter-disciplinary exchange of information, knowledge and experience, as well as networking on the topic;
- (d) To organize seminars at ICID Congresses and meeting to enhance awareness of importance of Value Engineering;
- (e) To prepare a paper on “Application of Value Engineering in Irrigation and Flood Projects” for publication in Irrigation and Drainage (IRD);
- (f) To finalize a book on Application of Value Engineering in Irrigation and Flood Projects”.
- (g) To encourage member countries to produce papers on Value Engineering case studies

5. PCTA, in its meeting held on 13 October 2017, advised ICID CO to circulate the scoping document to all the NC to seek their interest. The decision for the establishment of the WG will be taken during the 69<sup>th</sup> IEC after review of the interest received from the NCs.

**TF-VE Minutes Item 5: Any other business**

6. TF proposed to organize a workshop on “Application of Value Engineering in Irrigation and Flood Projects” during 69<sup>th</sup> IEC Meeting and International Conference to be held in August 2018 in Canada.

7. A half-day Training workshop for Young Professionals titled “Value Engineering: An effective and efficient methodology for Enhancing irrigation, drainage and flood management projects” was held on 13 October 2017 from 09:00-12:30 hours during the 68<sup>th</sup> IEC Meeting in Mexico. About 17 young professionals from Afghanistan, Australia; Canada; Ecuador; Egypt; Ethiopia; Finland; Ghana; Indonesia; India; Iran; Malaysia; Mexico; Morocco; South Africa; and South Korea participated. This workshop was an important event in promoting VE in ICID, particularly young professionals who are more interested in creativity and innovation.

