

Scheme for Recognition of “Heritage Irrigation Structures (HIS)”

1. Background

- 1.1 At the 63rd meeting of International Executive Council (IEC) held at Adelaide, Australia on 28 June 2012, President Gao Zhanyi suggested that a process for recognition of the historical irrigation structures on the lines of World Heritage Sites as recognized by UNESCO shall be initiated. Accordingly, a Task Team comprising of the following members, was set up to work out objectives, guidelines and procedures to select the historical irrigation structures. The Scheme was discussed during the meeting of WG-HIST at 65th IEC meeting. The members suggested changes in the scope of the Scheme, The present Scheme has been revised and updated to include both the old operational irrigation structures as well as structures that have primarily archival value.

2. Objective

- 2.1 It is proposed that a historical irrigation and/or drainage structure fulfilling the criterion laid down in this document shall be recognized as “Heritage Irrigation Structure” (HIS). The main objectives of recognition as a “Heritage Irrigation Structures” are:
- (a) Tracing the history of and understanding the evolution of irrigation in the civilizations across the world.
 - (b) To select and collect information on historical irrigation structures from around the world, understand their significant achievements and gather knowledge about the unique features that have sustained the project for such a long period;
 - (c) To learn the philosophy and wisdom on sustainable irrigation from these structures; and
 - (d) To protect/preserve these historical irrigation structures

3. Scope

- 3.1 The type of the structures or facilities to be considered for recognition as Heritage Irrigation Structures shall fulfil following criterion:
- (a) The structure shall be more than 100 years old;
 - (b) The structures shall fall under one of the following categories:
 - (i) Dams (operational largely for irrigation purpose),
 - (ii) Water storage structures such as tanks for irrigation,
 - (iii) Barrages and other water diversion structures,
 - (iv) Canal Systems,
 - (v) Old waterwheels,
 - (vi) Old shadouf,
 - (vii) Agriculture drainage structures,
 - (viii) Any site or structure functionally related to present or past agricultural water management activity.

4. Criterion

4.1 The structure recognized as a Heritage Irrigation Structure should fulfill one or more of the following criterion.

- (a) The structure should represent a milestone / turning points in development of irrigated agriculture and should bear an exceptional testimony to development of agriculture and increase in food production along with the improvement of economic condition of farmers;
- (b) The structure that was ahead of its times in terms of project formulation, engineering design, construction techniques, dimensions of the structure itself, quantum of water diverted, and size of the command; [any one or more of these]
- (c) Must have made outstanding contribution to enhancing food production, livelihood opportunities, rural prosperity, and poverty alleviation in a region;
- (d) Was innovative in its ideas at the time of its construction;
- (e) Contributed to the evolution of efficient and contemporary engineering theories and practices;
- (f) Is an example of attention to environmental aspects in its design and construction;
- (g) Was an example of engineering marvel or excellence at the time of its construction;
- (h) Was unique in some positive and constructive way;
- (i) Bears the stamp of a cultural tradition or a civilization of past the past;

4.2 The structures fulfilling the above laid criterion will be classified into Lists:

- (a) **List A** would include those structures which are still operational and present an outstanding example of sustainable Operation & Management over a long period of time;
- (b) **List B** would include those structures which essentially have archival value and are no more functional

5. What does listing as an ICID Heritage Irrigation Structure mean?

5.1 The process of documentation, recognition and appropriate management of the Heritage Irrigation Structures will benefit the irrigation and drainage fraternity as well as the society in general by providing:

- (a) Understanding of the factors that make the heritage structures sustainable and learn lessons there from;
- (b) Education opportunity for professionals, students and general public; and

5.2 For UNESCO World Heritage Sites, inclusion means maintaining status quo forever. But it would be incorrect to stipulate the same for irrigation structure, as the people have the right to replace older structure with more efficient ones for better water use efficiency. Recognition as an HIS would be used to draw attention of the concerned governments to provide sufficient resources to maintain the HISs. ICID may provide small scale technical guidance to the project authority through a team of experts from ICID for its further sustainability, conservation and safe management as long as possible. ICID through various kinds of published material (Coffee table publications, web pages etc) should bring these HIS into the public knowledge and the role they have played in achieving food security.

6. Procedure

6.1 A historical irrigation and drainage structure fulfilling the criterion laid under section 4, based on the recommendation of the Jury to be constituted following the guidelines, as presented below, will be approved by the International Executive Council to be recognized as Heritage Irrigation Structure (HIS) that will be included in an “**ICID Register of Heritage Irrigation Structures**” and presenting a “**Heritage Irrigation Structure**” Plaque citing the salient features of the HIS. The Plaque will be awarded to the National Committees for onward transmission to the authorities responsible for the running and maintenance of the structure for displaying prominently on the body of the structure. The ICID Register of HIS would be publicized through ICID media channels.

6.2 The National Committee should report the current status of registered HIS site to ICID, after 5 years of registration.

6.3 Application

6.3.1 Any National Committee/Committee of ICID can nominate or send a proposal for recognizing historical irrigation structures meeting the criteria prescribed below, in the format prescribed at **Annexure**. The NC shall obtain a ‘letter of support’ from the relevant authority (ies).

6.4 Jury

6.4.1 The President shall constitute a Panel of Judges, broadly following the composition below for adjudication with the objective to provide recognition to Heritage Irrigation Structures:

| | |
|-----------------------------|--------------------|
| Chairman, PCSO | - Chairman |
| Chairman/Ex-Chair, WG-HIST | - Member |
| Nominees from 3 NCs of ICID | - as Members |
| Secretary General, ICID | - Member-Secretary |

6.5 Call for nomination

6.5.1 The nomination process for recognition of Heritage Irrigation Structures is open ended and the National Committees desirous of submitting a nomination can fill in the required information in the Nomination Form as prescribed in Annexure A. The nomination forms received by 30th June every year will be processed together and presented to the following Executive Council meeting after due processing.

6.6 Financial

6.6.1 ICID will seek to create a fund to meet the requirements of resources for:

- (a) Processing the applications,
- (b) Providing certain technical support to the HIS for maintaining the structure in good condition,
- (c) Developing material for dissemination of HIS, and
- (d) Bringing out publications based on the lessons learnt.



6.7 Contact

6.7.1 The ICID Central Office may be contacted for further information on the Recognition of HIS,

Secretary General, ICID
48 Nyaya Marg, Chanakyapuri
New Delhi 110021
Tel: +91-11-26116837, 2611 5679, 2467 9532, Fax: +91-11-26115962
E-mail: icid@icid.org, Website: www.icid.org



Annexure to para 6.3.1 of the Scheme

**NOMINATION FORM FOR INCLUDING IN THE
ICID REGISTER OF HERITAGE IRRIGATION STRUCTURE**

(Note: The information provided herein can be used by ICID to inform, market and give publicity to the HIS included in the ICID Register of World Heritage Irrigation Structures through various dissemination mechanism, giving due acknowledgement to the National Committee and the owner organization.)

1. Details of the Irrigation Structure Nominated

(Separate form should be submitted for each nominated structure)

- (a) Name:
- (b) The year of commissioning:
- (c) Area Irrigated/ drained:
- (d) Geographical Coordinates:
- (e) River basin/ sub-basin where located:
- (f) Name of the Nominating National Committee/Committee:

2. Management Details of the HIS:

- (i) Ownership:
 - (a) Name of organization
 - (b) Address:
- (ii) Name and contact details of Official(s) managing the nominated structure
- (iii) Present source of fund for Operation and Maintenance of the nominated structure (For List A structures)
- (iv) Present source of fund for Maintenance of the nominated structure (For List B structures)

3. Description giving Salient Features of the nominated structure

(Provide in a separate sheet in 500 words. Also provide Maps/ Sketch /Plans, if available showing various components, boundary, jurisdiction of the project area (to be attached))

4. Justification for nomination:

- (a) Criteria which the nominated structure fulfils and how
(Please provide a write up of not more than 1000 words one or more criteria that the structure fulfils)
- (b) Statement on the nominated structure's engineering utility as on date vis a vis its designed utility. (For including in List A)
- (c) Statement on the nominated structure's engineering utility at the time it was functional, and details of the overall project of which it formed an essential part. (For including in List B)

5. Present state of Conservation

(Enumerate and describe factors that are affecting or have affected the utility of the nominated structure in the past e.g. Encroachment, Suitability in present conditions, pollution, natural disaster such as floods, earthquake, visitors/tourism pressure etc.) (Max 500 words)

6. Documents attached

- a. Support letter (s) from the relevant local/national authorities (Essential)
- b. Document providing project description,
- c. Document/ Report enumerating benefits accrued from the project since its inception
- d. Project photographs old as well as the latest
- e. Audio visual materials and
- f. Inventory of project property,
- g. Bibliography etc.

(In case the documents are too bulky, please provide electronic versions) (Scanned etc.)

7. Certification by the National Committee/Committee

- (i) Authentication:
 - (a) It is certified that the above information is correct to the best of our knowledge and the relevant institutions/departments have been contacted or informed about this nomination. (Concerned Archeological Department/Agency or maintaining organization in case of LIST B)
 - (b) National Committee will undertake the actions required to disseminate the information befitting the listed Heritage Irrigation Structure.



(ii) No Objection certificate:

We have no objection to ICID using the information provided with this nomination form for marketing and to give publicity to the historical irrigation structure nominated.

- (a) Signatures
Chairman / Secretary of Nominating
National Committee / Committee

- (b) Name

- (c) Address
.....
.....

- (d) Seal

