## ANNEXURE-A:

## SCOPE OF WORK

## for

## CONSTRUCTION OF WATER CONVEYANCE SYSTEM

**A- 1. General:** Proposed **"Water Conveyance System"** for GHAVP consists of primary source channel, alternate source channel and other allied structures for conveyance of 180 Cusec water from canals under Haryana Irrigation Department. It also contains disposal of blow-down water system which disposes about 52 cusec blow-down water returns to the canal system. Number of Structures are to be constructed for providing assured supply of 180 cusec water, disposal of blow-down water as per scheme and design provided by HI&WRD including the following:

**A-1.1** Reinforced Concrete Cement (RCC) Duct along the Sidhmukh Nohar Feeder & Fatehabad Branch from 0 Km to 46.483 KM from Bhakra Canal System as prime source.

**A-1.2** First alternate Open Channel along abandoned Sirsa branch from 0 KM to 11.061 KM from Yamuna Canal System.

**A-1.3** Second alternate directly from Fatehabad Branch located near GHAVP site.

**A-1.4** Head Regulators, Cross-Regulators, Operating gates, Siphons, silt sedimentation tanks along above three water carrier channels.

**A-1.5** Intake structures, structures/pipelines drawing water from RCC duct and connecting to water storage tanks within GHAVP site.

**A-1.6** Structures/pipelines, connections etc. designed to return blow-down water from GHAVP to the Canal.

**A-1.7** "Allied Structures" such as various road bridges, railway bridges along water carrier channels mentioned at A-1.1, A-1.2 and A-1.3 above.

**A-1.8** Other miscellaneous structures/works/system related to water conveyance system such as opening gates, surge tanks etc.

**A- 2.** Scope of work FOR CONSTRUCTION under this MOU are as follows:

**A-2.1** Construction of all the structures/systems/pipelines/connections etc. mentioned above at **Cl A-1.**

**Apart from construction of above structures, other works/activities related to construction shall also be performed as follows:**

**A-2.2** Erection of boundary pillars of the channels.

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**A-2.3** Removal of roots/shrubs etc along the proposed channels and structures.

**A-2.4** Setting out works for structures.

**A-2.5** Preparation of subgrade/base including trenching rough dressing of spoil including final dressing, preparation of slope.

**A-2.6** Excavation for foundation required as per approved drawings, specifications.

**A-2.7** Filling and compacting, slope protection works.

**A-2.8** Coordination with forest department for clearance of forest coming along all the structures in scope of work.

**A-2.9** Coordination with railway department for construction of railway bridges.

**A-2.10** Testing of channels/pipelines for leakage.

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