



IRRIGATION AUTHORITY

INVITATION FOR BIDS

(Authorised under Section 16 of the Public Procurement Act 2006)

Open National Bidding

(1) Supply, Installation, Testing and Commissioning of One Centrifugal Surface Pumpset

(2) Supply of a Spare Borehole Pumpset

Procurement Reference No: OMD/PUMPSET/77/25

CLARIFICATION No. 1

Following queries from Bidders the following clarifications are provided:

Query No. 1: Sump Details

Kindly indicate the depth of the sump and the minimum water level at any given point of time at the pumping stations.

Reply No. 1:

Bidders are informed that the sump on site is indeed a metallic grille structure fabricated and installed on the river bed used to house the foot-valve which is connected to the suction pipe of the pumpset.

The water level above the foot-valve varies accordingly with the dry and wet season.

Dry running protection of the pumpset is controlled by a float switch installed on the suction pipe.

The minimum safe water level above the foot-valve is maintained at 400mm.

Query No. 2: NPSH Available

Please provide the value of Net Positive Suction Head (NPSH) Available for the existing pumping system.

Reply No. 2:

In order to avoid priming and cavitation problems, Bidders should ensure that the NPSH of the pumpset should be chosen such NPSH (required) of the pump should be less than or equal to the NPSH (available) on site.

Bidders should have to calculate the NPSH (available) on site using parameters like atmospheric pressure head, static suction lift, vapor pressure head of the liquid, friction losses in suction pipe and fittings.

The arrangement of the suction pipes is as given in the tender drawing for plantroom layout. The suction pipe is galvanised steel of diameter DN 250mm. The maximum static suction lift is about 2.3 m. The friction losses in pipe and fittings can be assumed to be 1 m and the vapour pressure head of water to be 0.5 m.

The most appropriate pumpset to be proposed should be one with the lowest NPSH (required).

Query No. 3: Pump Make and Model

We understand from Section 3 of the bidding document that the existing pumps include makes as Kirloskar.

We would appreciate if you could confirm the **exact pump models** currently installed at the pumping stations.

Reply No. 3:

The following are the information pertaining to the existing pumpset.

- (i) Pump Type: UP150/30AN(V)
- (ii) Pump No.: 1746514013
- (iii) O/A No.: D01914A596/100

Note:

Bidders are requested to refer to our Notice dated 07 April 2026 which was posted on our website and to conduct a visit for a prospection of the site.

Date: 17 April 2026

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