



KHYBER PAKHTUNKHWA CITIES IMPROVEMENT PROJECT
PROJECT MANAGEMENT AND CONSTRUCTION SUPERVISION CONSULTANTS
MINCONSULT SDN BHD
JOINT VENTURE
CREATIVE ENGINEERING CONSULTANTS



Ref: KPCIP/PMSCS/RE-ATD/CW-02/Lot-2/08610

Date: 22nd November 2023

To,

The Project Manager
ZKB-M/S T.T. SH-INSAAAT LIMITED LIABILITY COMPANY (JV)
Abbottabad

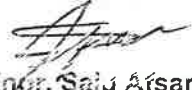
Project: ADB LOAN 4160-PAK & LOAN 8412-PAK (AIIB CO-FINANCING): KHYBER PAKHTUNKHWA CITIES IMPROVEMENT PROJECT (KPCIP): OCB-KPCIPCW-02 Procurement of Works for Improvements/Construction of Water Supply System: LOT-2: Rehabilitation and upgradation of Water Supply to WTP with SCADA in Abbottabad Including New Water Treatment Plant, Abbottabad.

Subject: Clarifications & Details Required Regarding the MEP Items to be used at Distribution Chamber.

Reference: 1. Your Letter No. ZKB-T. T Sh. INSAAT(JV).KPCIP/LOT-2.Abbottabad/LGE&RDD/2023/88 Dated: 24th October 2023

Enclosed please find the response regarding queries related to MEP items to be used at distribution chamber, raised in your above referenced letter. Hope you will find it to your satisfaction, however if you need any further clarification, please let us know.

Your Sincerely,


Engr. Said Afsar
The Engineer/Resident Engineer
Water Supply System (Abbottabad)
PMSCS-KPCIP

Cc:

1. Project director (PMU-KPCIP, LGE&RDD).
2. Director Technical, (PMU-KPCIP, LGE&RDD).
3. Project Design and Supervision Coordinator (DTL), (PMSCS).
4. Team Leader (PMSCS-KPCIP).
5. Contract & Claim Engineer (PMSCS-KPCIP)
6. Design Manager (PMSCS-KPCIP).
7. Chief Executive Officer, (WSSCA).
8. Focal Person (CIU-Abbottabad)
9. Office Copy

W/S
Review and discuss

828¹¹
AM / Planning
F-41
23 Nov 23

Sr. No.	Observations	Reply
M.S Pipe		
1.	D.I / HDPE Pipe Embedded Shape, its Clear Length and Type	It is clarified that no DI Pipe has been used in Distribution chamber. In case pipe is installed in the wall in the shape of puddle flange, then flanges of same material are required to be installed/welded on both ends at least 300mm beyond the wall. For embedded shape and length, you are advised to prepare shop drawing for approval as per site conditions.
2.	Fixing Assembly of DI Embedded Pipe in Distribution Chamber	No DI Pipe has been proposed in Distribution chamber. Furthermore, it is clarified that the incoming MS Pipe of Distribution chamber contains 1000 mm diameter. The Nomenclature of MS pipe depicts providing & Laying, Complete in all respect so it does not require any additional special over BOQ. Furthermore, its length embedded in concrete can be provided anchorage at site.
3.	Internal and External Lining for DI Pipe.	All DI pipes have been proposed in the pump stations and no lining is required to be provided.
4.	Filter Assembly or Arrangements if any.	
5.	Confirmation of Intake Dia. Of Distribution Chamber	
6.	Mesh Size and Design Inside Pipes, if any	
HDPE Pipe		
1.	2 x Sharp 90-degree bends in the intake pipe of the Distribution Chamber	MS pipe diameter 1000mm has been proposed as the intake pipe of the distribution chamber. The provision of MS pipe in the BOQ is providing and laying complete in all aspects. So, 90-degree bends can be changed to any flexible shape as per site condition.
2.	Review inlet Pipe Bends	
Penstock Sizes		
1.	Conflict of Penstock inlet material in BOQ it is cast iron while in specification it is stainless steel. Need clarification.	It is clarified that the material of Penstock gate shall be cast iron as per BOQ.
2.	The sizes of Penstock need your review.	The sizes of Penstock shall be as per Drawing and BOQ and shall be installed at the upstream side. These penstocks will not be installed in the opening but will have overlaps on upstream sides. (You are advised to provide shop drawings for approval) as per recommended sizes.
3.	Fixing Arrangement of Penstock	For fixing arrangements, Shop drawings may be prepared as per BOQ keeping in view the Penstock standard and manufacturer requirements.