

MILLENNIUM CHALLENGE ACCOUNT-MONGOLIA



CB No: MCA-M/CF/DWA/W-01

Bidding Document for Construction Works of an Advanced Water Purification Plant (AWPP) and SCADA Controls (CP 2)

ADDENDUM No 4

February 5 2021

1. Name of the Procurement: Construction Works of an Advanced Water Purification Plant (AWPP) and SCADA Controls (CP 2)
2. Procurement Reference Number: MCA-M/CF/DWA/W-01
3. Invitation for Bids (IFB) Date: December 15, 2020
4. Previous Addendums issued: Addendum No. 1 on December 23, 2020; Addendum No. 2 on January 15, 2021; Addendum No. 3 on January 21, 2021.

IFB SECTION	AMENDED AS FOLLOWS								
<p style="text-align: center;">V Works Requirements</p> <p style="text-align: center;">Item 3 Link for Works Requirements</p>	<p>The following revisions are made to the Technical Specifications and Performance Requirements:</p> <p><i>Bidders should be aware that the following Section of the Technical Specifications are revised and modified as follows through the issuance of this Amendment 4 to the Bidding Document.</i></p> <p>Section 2.02 of Specification 15072 is replaced in its entirety with the following:</p> <p>“2.02 PIPE:</p> <p style="margin-left: 20px;">A. Fabricate to sizes, dimensions, and shapes indicated.</p> <p style="margin-left: 20px;">B. Sizes, Pipe, Fittings and Specials</p> <p style="margin-left: 20px;">1. Carbon steel pipe: Nominal pipe size diameter pipe fabricated of carbon steel having the following minimum wall thickness:</p> <table border="1" style="margin-left: 40px; width: 80%;"> <thead> <tr> <th data-bbox="472 1734 659 1801">Nominal Pipe Size (mm)</th> <th data-bbox="735 1734 886 1801">Pressure Class (PN)</th> <th data-bbox="976 1734 1138 1801">Actual O.D. (mm)</th> <th data-bbox="1203 1734 1398 1801">Min Wall Thk (mm)</th> </tr> </thead> <tbody> <tr> <td data-bbox="548 1801 583 1835">50</td> <td data-bbox="760 1801 862 1835">16 or 25</td> <td data-bbox="1027 1801 1089 1835">60.3</td> <td data-bbox="1292 1801 1310 1835">4</td> </tr> </tbody> </table>	Nominal Pipe Size (mm)	Pressure Class (PN)	Actual O.D. (mm)	Min Wall Thk (mm)	50	16 or 25	60.3	4
Nominal Pipe Size (mm)	Pressure Class (PN)	Actual O.D. (mm)	Min Wall Thk (mm)						
50	16 or 25	60.3	4						

	75	16 or 25	88.9	5.6
	100	16 or 25	114.3	6.3
	150	16 or 25	168.3	7.1
	200	16 or 25	219.1	8.8
	250	16 or 25	273.0	10
	300	16 or 25	323.9	10
	350	16 or 25	355.6	10
	400	16 or 25	406.4	10
	450	16 or 25	457	10
	500	16 or 25	508	10
	600	16 or 25	610	10
	700	16 or 25	711	10
	800	16 or 25	813	10
	900	16 or 25	914	10
	1000	16 or 25	1016	10
	1200	16 or 25	1220	10
	1400	16 or 25	1420	10
	1600	16 or 25	1620	11
	Refer to Piping Schedule (00-D-004 and 005), use PN 16 for all pipe and fittings for services with maximum pressure less than 1622 kPa.			
	PN 25 shall be used on all pipe and fittings where maximum pressure exceeds 1622 kPa as shown on the piping schedule.			
	C. Seams:			
	1. Except for seamless mill type pipe, provide piping fabricated from steel plates rolled into cylinders or sections thereof with longitudinal seams or spiral seams butt welded.			
	2. Do not use more than two longitudinal seams in piping 1800 mm and smaller in size.			
	3. Butt weld girth seams at least 2 meters apart, except in specials and fittings.”			