



Project Title:	ASTANA WATER SUPPLY AND SEWERAGE PROJECT	
Name of Client: ASIMAT*	Overall Project Value:	
Origin of Funding: JICA**	Country:	Kazakistan
	City:	Astana
No of Man-Month Provided: -	Start Date:	03.2007
	End Date:	ongoing
Proportion Carried out by CEMA 100%	Name of Partners if any: -	
<p>Detailed description of project:</p> <p>Application Projects, As-built Projects and Manmonth are provided for contractor ALARKO in construction of Water Intake, Expansion of Water Treatment Plant, Expansion of Sewage Treatment Plant and Intermediate Pump Stations which preliminary projects prepared by NJS Consultancy. Below are designed or to be designed:</p> <ul style="list-style-type: none"> ● Intake Pump Station (W.I.) ● Surge Control House (W.I.) ● Access Road (W.I.) ● Intake Sub-station (W.I.) ● Guard House (W.I.) ● Distribution Chamber (WTP) ● Water Treatment Building (WTP) ● Distribution Pump Station (WTP) ● Washing Drain Basin (WTP) ● Sludge Thickener (WTP) ● Sludge Drying Beds (WTP) ● Sludge Cake Yards (WTP) ● Administration Building (WTP) ● Discharge Pool (WTP) ● Sub-station (WTP) ● Influent Pump Station (STP) ● Grid Chamber (STP) ● Primary Sedimentation Tank (STP) ● Aeration Tank (STP) ● Blower House (STP) ● Secondary Sedimentation Tank (STP) ● Return Sludge Pump House (STP) ● Gravity Thickener, Pump House (STP) ● Digester and Pump House (STP) ● Sludge Treatment Building (STP) ● Administration Building (STP) ● Electrical House (STP) ● Intermediate Pump Stations (17 units) 	  	
<p>Type of services provided</p> <ul style="list-style-type: none"> ● All architectural, structural, mechanical, electrical and infrastructure designs detail to as-built ● Project Coordination ● Bill of quantities and estimates. 	<p>*Astana Majority</p> <p>**Japan International Cooperation Agency</p>	