



شركة السمر لتوليد الكهرباء
Samra Electric Power Co. [SEPCO]

Installation of Instruments and Cabling

Scope of Work:

Installation works to add Pressure and temperature measurement at Samra Power Plant (STG4).

1. BOQ and Price Summary

No.	Item Description	Unit	QTY	Single Price	Total Price
1	<p>Installation of Thermowell, Temperature sensor – thermocouple and transmitter, one-way ventile and graphite sealing and other accessories at the HP side according to the supervision engineer instructions., the work includes but not limited to:</p> <ul style="list-style-type: none"> The installation of thermowells (pipe threaded connection M33 for VT and ST, material 1.4903+NT). Welding of the sealing welds on the sumps. Heat treatment of welds and NDT of welds (100% MT or PT). Connection of thermocouples to the receptacles. Installation of protective hoses and thermocouple pulling to the junction box. Installation of cabling between the junction box and the control system, and installation of power supply of transmitters. Remove the insulation sheets in the area where we need to install the sensors and re-install it after completing the work. Installation and connection of related cabling and cable route. Workmanship and required tools/ special tools. 	LS	2		
2	<p>Installation of Thermowell, Temperature sensor – thermocouple and transmitter, one-way ventile and graphite sealing and other accessories at the HRH side according to the supervision engineer instructions., the work includes but not limited to:</p> <ul style="list-style-type: none"> The installation of thermowells (pipe threaded connection M33 for VT and ST, material 1.4903+NT). Welding of the sealing welds on the sumps. Heat treatment of welds and NDT of welds (100% MT or PT). Connection of thermocouples to the receptacles. Installation of protective hoses + thermocouple pulling to the junction box. 	LS	2		

	<ul style="list-style-type: none"> • Installation of cabling between the junction box and the control system, and installation of power supply of transmitters. • Remove the insulation sheets in the area where we need to install the sensors and re-install it after completing the work. • Installation and connection of related cabling and cable route. • Workmanship and required tools/ special tools. 				
3	<p>Installation of Pressure gage and transmitter and two valve manifold and other accessories at the HP side according to the supervision engineer instructions, the work includes but not limited to:</p> <ul style="list-style-type: none"> • Insertion of T-piece into existing line of impulse piping (cutting of line and welding included). • Assembly and installation of impulse pipes and two-way valve (bending, cutting, and welding of pipes included). • Installation of pressure gauge with transmitter. • Insulation of the cabling between the junction box and the control system. • Installation of the cabling between the junction box and the control system, installation of power supply of transmitters. • Remove the insulation sheets in the area where we need to install the sensors and re-install it after completing the work. • Installation and connection of related cabling and cable route mounting the required junction boxes. • Workmanship and required tools/ special tools. 	LS	1		
4	<p>Installation of Pressure gage and transmitter and two valve manifold and other accessories at the HRH side according to the supervision engineer instructions, the work includes but not limited to:</p> <ul style="list-style-type: none"> • Insertion of T-piece into existing line of impulse piping (cutting of line and welding included). • Assembly and installation of impulse pipes and two-way valve (bending, cutting, and welding of pipes included). • Installation of pressure gauge with transmitter. • Insulation of the cabling between the junction box and the control system. • Installation of the cabling between the junction box and the control system, installation of power supply of transmitters. • Remove the insulation sheets in the area where we need to install the sensors and re-install it after completing the work. • Installation and connection of related cabling and cable route mounting the required junction boxes. • Workmanship and required tools/ special tools. 	LS	1		
Total Price (JOD) Includes Fees and Taxes					

2. General Conditions:

- The work site is Samra Power Plant at Zarqa / Al Hashimiyah – Phase IV.
- The Contractor shall visit the site and review the work area and environment and the tender requirement.
- The Contractor must comply with the power plant safety and instructions and plant entry (gate pass issuance) instructions.
- The duration of the work is 4 days from the date of the work start permit which will be arranged later by the Owner, and the Contractor shall adhere to the company working hours and holidays (The working hours are Sunday to Thursday – 8:00 to 16:00).
- The Contractor shall clean the area after the completion of the works and shift any waste material to the designated places outside the plant boundary.
- The Contractor shall be qualified to perform the required work and have the full knowledge in the system processes.
- The work shall be performed by certified welders (welder certificate submission is required).
- The Contractor shall supply and install scaffolding according to the safety regulation where required during the work execution.
- The price shall include providing all necessary tools/ special tools and workmanship and any other requirement to complete the scope of work.
- The price shall include and required third-party welding inspection & test reference to the codes and standards.