

NO	DESCRIPTION	MAT'L	SPEC	Q'TY	WT(kg)	REMARK

Index

1. Supply of scope
2. General condition
3. Technical requirement

NO	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED



DP WORLD

TITLE	REQUEST for PROCUREMENT				TOTAL 3 SHEETS
WORK NO	WORK NAME				Ver. NO
	QC JOB ORDER DISPLAY				000
	DRAWN	CHECKED	APPROVED	RFP NO	
	유계호	이창준		PNC-RFP-2026-008	
	26/06/23	26-06-23	26.6.23		

- The supplier must maintain a minimum inventory of the delivered materials at all times for the next five (5) years.
- The minimum inventory level is subject to change according to the PNC operation plan and shall be consulted in advance every year, starting the month following the handover.

3. Technical requirement

3.1 Display Specifications

- Visibility: Display size shall be min. 3,000(W) x 500(H) mm for high visibility.
- Material: The enclosure shall be made of corrosion-resistant Stainless Steel (SUS) with a powder-coated finish.
- Protection Rating: The equipment must obtain a minimum IP54 rating for dust and water resistance.
- Content Display: A single slide must be capable of displaying at least 7 characters.
Text shall support sliding(Right to left)functions to display full sentences as needed.
- Language Support: The system shall support seamless display of Korean, English, and numeric characters.
- LED Brightness: 1,700 MCD or higher.
- LED Color: 1.6M or higher.
- Color Customization : Users shall be able to customize colors, including the background.
- Brightness Control: 10 levels.
- Auto-Schedule: Automatically adjusts brightness at user-set times. (Example: Level 3 from 19:00 to 07:00)
- The display must show the following text, and all information is received from the PLC. (Red font / Yellow background)
20ft(20FT 작업), 20ft Rear(20FT 후방), 20ft Twin(20FT 트윈작업), 40ft(40FT 작업), 45ft(45FT 작업),
Hatch cover(해치커버 작업), Lashing cage(라싱케이지 작업), Hook mode(후크 작업), Over Height(오버하이 작업),
Tank Container(탱크 작업), Loading/Unloading(—)
- Power Supply: Input power shall be single-phase AC 220V. A noise filter must be installed at the power input section.
A noise filter must be installed at the power input section.
- Connectivity: The controller must support TCP/IP and Modbus communication protocols of ABB PLC.

3.2 Installation and Maintenance

- Installation Schedule: Weekend or night work must be possible due to terminal operations.
- Installation Location: Center of sill beam (sea side), 5m from the ground.
- Installation Crane Selection: Select the crane after prior discussion. However, it can be changed depending on the situation
- Network: Included in the supplier's scope.
- Serviceability: Single-plate front panel, designed for one-person opening.
- Modular LED: Modular design for individual replacement upon failure.
- Durability: During installation, the equipment must be secured by welding (at least 4 points) to ensure structural durability.

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