PROJECT SCHEDULE

Country:	Indonesia
Project Name:	PLC Panel Delivery for FAT and Site Installation
Project ID:	PSO-PLC-2025-01
Version	1.0
Version Date	20-Nov-25
Prepared by:	Project Support Officer
Approved by:	Project Manager
Project Duration:	20 Nov 2025 – 14 Jan 2026 (8 Weeks)

Milestone / Major Activity		End Date	Responsible
Project Kick-off	20-Nov-25	20-Nov-25	Project Manager
Procurement Planning Completed	21-Nov-25	25-Nov-25	Project Support Officer
Supplier Selection & PO Issued	26-Nov-25	01-Dec-25	Procurement Team
Material Delivery to Workshop	02-Dec-25	10-Dec-25	Procurement + Logistics
Panel Fabrication & Assembly	11-Dec-25	20-Dec-25	Engineering Team
FAT Execution	21-Dec-25	30-Dec-25	Engineering + QC
FAT Completion	31-Dec-25	31-Dec-25	QA/QC Lead
Packing & Shipping Arrangement	01-Jan-26	04-Jan-26	Logistics
Shipment to Site	05-Jan-26	13-Jan-26	Logistics
Project Delivery Completion	14-Jan-26	14-Jan-26	Project Manager

Project Procurement Plan

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Procurement Objectives

This section defines the key objectives of the procurement process and ensures they are aligned with the overall needs of the project and organization. It explains the intended outcomes of procurement, whether optimizing costs, securing timely delivery, or maintaining product quality, and provides a strategic foundation for all sourcing decisions carried out throughout the project lifecycle.

- Objective #1: Ensure On-Time Delivery of All Critical Components Before Week 4 to Meet the FAT Schedule.
- Objective #2 — Obtain Cost-Effective Pricing from at Least Three Qualified Suppliers Without Sacrificing Product Authenticity and Quality
- Objective #3: Maintain Compliance with Technical and Quality Standards Required for Industrial Control Systems.

Items to be Procured

Item Description	PART#	BRAND	QTY	UNIT
SIMATIC S7-1500R, CPU 1515R-2 PN	6ES7515-2RN03-0AB0	SIEMENS	2	unit
HMI MTP1000 10" Unified Basic Panel	6AV2123-3KB32-0AW0	SIEMENS	1	unit
SCALANCE XC208 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100 Mbit/s RJ45 ports;	6GK5208-0BA00-2AC2	SIEMENS	1	unit
Enclosure Box Panel 800x600x300 mm			1	unit
PILOT LAMP (Red) 230/240V AC/DC LED	YW1P-2EQM3-R	IDEC/EQUAL	1	pcs
PILOT LAMP (Yellow) 230/240V AC/DC LED	YW1P-2EQM3-Y	IDEC/EQUAL	1	pcs
PILOT LAMP (Green) 230/240V AC/DC LED	YW1P-2EQM3-G	IDEC/EQUAL	1	pcs

Procurement Method

A combined procurement strategy will be implemented, consisting of direct purchase from authorized distributors for all critical Siemens automation components to ensure product authenticity, cybersecurity compliance, and adherence to FAT milestones. Meanwhile, a limited tendering process will be applied for commodity items such as enclosures and pilot lamps to optimize cost efficiency while maintaining the required delivery timeline.

Item Description	PART#	BRAND	Procurement Method	Justification
SIMATIC S7-1500R, CPU 1515R-2 PN	6ES7515-2RN03-0AB0	SIEMENS	Direct Purchase (Authorized Siemens Distributor)	Critical component, FAT dependency, warranty needed
HMI MTP1000 10" Unified Basic Panel	6AV2123-3KB32-0AW0	SIEMENS	Direct Purchase (Authorized Siemens Distributor)	Potential long lead time if imported
SCALANCE XC208 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100 Mbit/s RJ45 ports;	6GK5208-0BA00-2AC2	SIEMENS	Direct Purchase (Authorized Siemens Distributor)	Cybersecurity certification required (IEC 62443-4-2)
Enclosure Box Panel 800x600x300 mm IP65			Limited Tender / Local Fabrication	Cost optimization, local availability,
PILOT LAMP (Red) 230/240V AC/DC LED	YW1P-2EQM3-R	IDEC/EQUAL	Limited Tender (Approved brands)	Widely available, non-critical component
PILOT LAMP (Yellow) 230/240V AC/DC LED	YW1P-2EQM3-Y	IDEC/EQUAL	Limited Tender (Approved brands)	Widely available, non-critical component
PILOT LAMP (Green) 230/240V AC/DC LED	YW1P-2EQM3-G	IDEC/EQUAL	Limited Tender (Approved brands)	Widely available, non-critical component

Contract Management Strategy

Contracts for the procurement of Siemens automation components and supporting materials will be established through formal Purchase Orders issued to the selected suppliers. Each contract will define delivery terms, warranty coverage, and product authenticity requirements. Performance will be monitored based on on-time delivery, conformance to the specified part numbers, and material condition upon receipt. Any disputes related to delays, pricing deviations, or non-compliance will be addressed through escalation to the supplier's account representative and documented for resolution. Progress reporting and contract status tracking will be recorded in the procurement control log to maintain accountability and timely fulfillment of obligations.

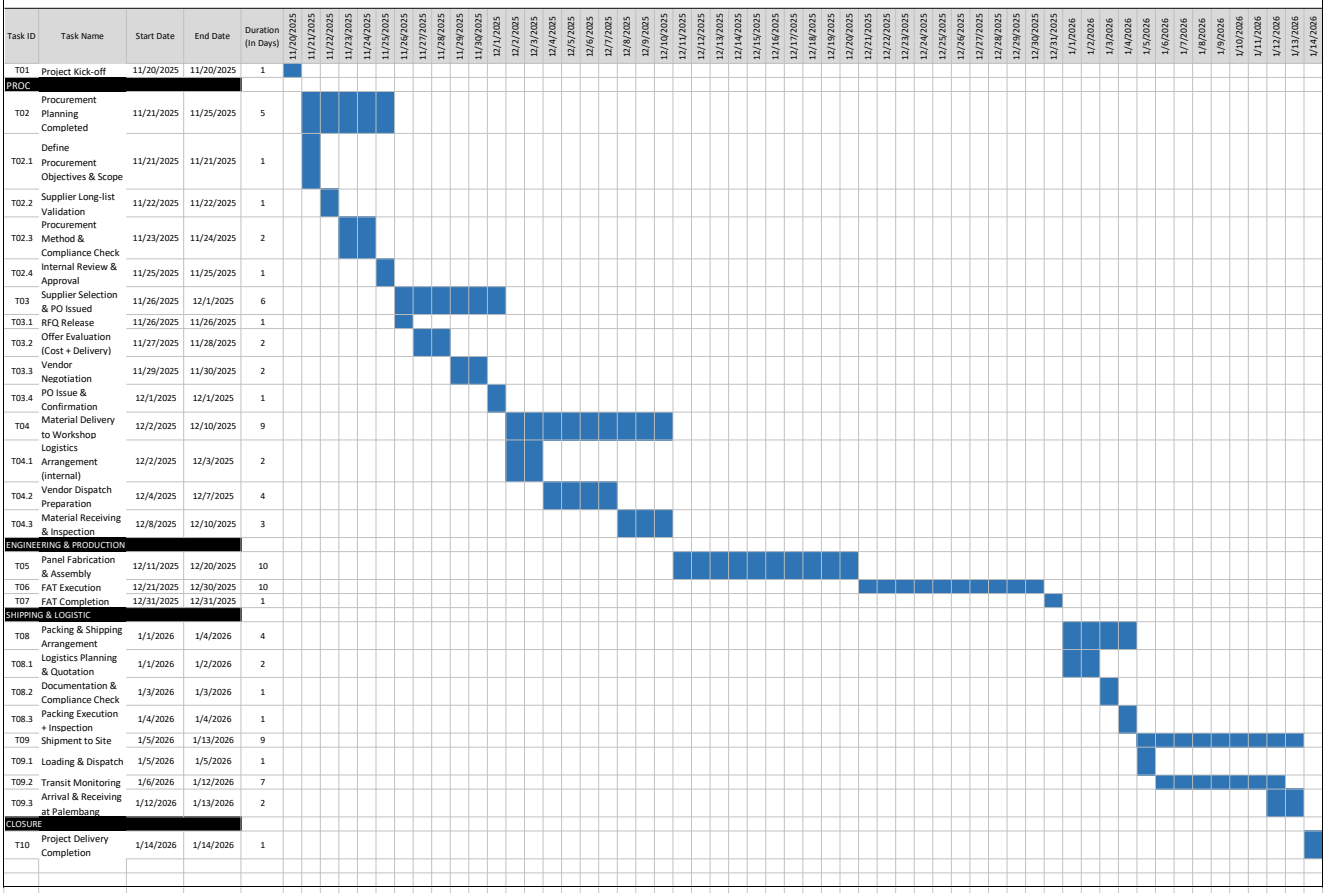
Legal and Compliance Requirements

All procurement activities must comply with Indonesian procurement and commercial regulations, including provisions on fair vendor selection and anti-corruption principles. Products shall meet applicable industrial control standards and follow OEM certification requirements, particularly related to Siemens safety and cybersecurity compliance (e.g., IEC 62443-4-2 for network components). Internal company policies on documentation control, confidentiality, and ethical business conduct must be followed throughout the procurement and delivery cycle to prevent regulatory and contractual risks.

Procurement Documentation

The procurement process will utilize standardized controlled documents, including Requests for Quotation (RFQ), supplier evaluation forms, Purchase Orders (PO), delivery notes, incoming inspection reports, and change request forms if any modifications are required. All documents will be recorded using the company's document management system with proper version tracking and access control. Documentation will be retained as evidence of compliance, supplier accountability, and traceability for future audits or project handovers.

DAILY GANTT CHART PROJECT



Task ID	Task Name	Start Date	End Date	Duration (In Days)
T01	Project Kick-off	11/20/2025	11/20/2025	1
PROC				
T02	Procurement Planning Completed	11/21/2025	11/25/2025	5
T02.1	Define Procurement Objectives & Scope	11/21/2025	11/21/2025	1
T02.2	Supplier Long-list Validation	11/22/2025	11/22/2025	1
T02.3	Procurement Method & Compliance Check	11/23/2025	11/24/2025	2
T02.4	Internal Review & Approval	11/25/2025	11/25/2025	1
T03	Supplier Selection & PO Issued	11/26/2025	12/1/2025	6
T03.1	RFQ Release	11/26/2025	11/26/2025	1
T03.2	Offer Evaluation (Cost + Delivery)	11/27/2025	11/28/2025	2
T03.3	Vendor Negotiation	11/29/2025	11/30/2025	2
T03.4	PO Issue & Confirmation	12/1/2025	12/1/2025	1
T04	Material Delivery to Workshop	12/2/2025	12/10/2025	9
T04.1	Logistics Arrangement (internal)	12/2/2025	12/3/2025	2
T04.2	Vendor Dispatch Preparation	12/4/2025	12/7/2025	4
T04.3	Material Receiving & Inspection	12/8/2025	12/10/2025	3
ENGINEERING & PRODUCTION				
T05	Panel Fabrication & Assembly	12/11/2025	12/20/2025	10
T06	FAT Execution	12/21/2025	12/30/2025	10
T07	FAT Completion	12/31/2025	12/31/2025	1
SHIPPING & LOGISTIC				
T08	Packing & Shipping Arrangement	1/1/2026	1/4/2026	4
T08.1	Logistics Planning & Quotation	1/1/2026	1/2/2026	2
T08.2	Documentation & Compliance Check	1/3/2026	1/3/2026	1
T08.3	Packing Execution + Inspection	1/4/2026	1/4/2026	1
T09	Shipment to Site	1/5/2026	1/13/2026	9
T09.1	Loading & Dispatch	1/5/2026	1/5/2026	1
T09.2	Transit Monitoring	1/6/2026	1/12/2026	7
T09.3	Arrival & Receiving at Palembang	1/12/2026	1/13/2026	2
CLOSURE				
T10	Project Delivery Completion	1/14/2026	1/14/2026	1

Remarks:

Thirty (30) days warranty starts after acceptance of the project

Vendor Selection & Cost Estimation

Supplier Information				
Supplier Name	**Supplier ID / Code**	**Address**	**Year Of Bussiness**	**Phone / Email**
PT Viktori Profindo Automation (Viktori	SUP-101	Ruko Galaxy Bumi Permai J1-12A, Jl. Sukosemolo No.116, Surabaya	15	(+62)315944555 / sales@viktori-automation.com
PT Siemenindo Putra Rajawali (Siemenin	SUP-201	Kawasan Pergudangan Daan Mogot G10 No.18, Jl. Daan Mogot KM21, Batuceper, Kota Tangerang, Banten	20	(+62)2155785066 / sales@siemenindo.com
PT Prisma Global Mandiri (Prisma Global	SUP-301	Ruko De'minimalis Blok C no 5, Jl	2	(+62)2122103187 / sales@prismaglobalmandiri.com

Estimation Cost										
Item Description	**Part#**	**Brand**	**Qty**	**Unit**	**Sup-201 Harga/Unit (IDR)**	**Sup-201 Total (IDR)**	**Sup-101 Harga/Unit (IDR)**	**Sup-101 Total (IDR)**	**Sup-301 Harga/Unit (IDR)**	**Sup-301 Total (IDR)**
SIMATIC S7-1500R, CPU 1515R-2 PN	6ES7515-2RN03-0AB0	Siemens	2	Unit	Rp 44.800.000,00	Rp 89.600.000,00	Rp 46.400.000,00	Rp 92.800.000,00	Rp 48.000.000,00	Rp 96.000.000,00
HMI MTP1000 10" Unified Panel	6AV2123-3KB32-0AW0	Siemens	1	Unit	Rp 35.200.000,00	Rp 35.200.000,00	Rp 36.000.000,00	Rp 36.000.000,00	Rp 36.800.000,00	Rp 36.800.000,00
SCALANCE XC208 IE Switch	6GK5208-0BA00-2AC2	Siemens	1	Unit	Rp 22.400.000,00	Rp 22.400.000,00	Rp 23.200.000,00	Rp 23.200.000,00	Rp 24.000.000,00	Rp 24.000.000,00
Enclosure Box 800×600×300 mm IP65	—	Lokal	1	Unit	Rp 4.800.000,00	Rp 4.800.000,00	Rp 5.120.000,00	Rp 5.120.000,00	Rp 4.480.000,00	Rp 4.480.000,00
Pilot Lamp (Red) LED	YW1P-2EQM3-R	IDEC / Equal	1	pcs	Rp 240.000,00	Rp 240.000,00	Rp 224.000,00	Rp 224.000,00	Rp 208.000,00	Rp 208.000,00
Pilot Lamp (Yellow) LED	YW1P-2EQM3-Y	IDEC / Equal	1	pcs	Rp 240.000,00	Rp 240.000,00	Rp 224.000,00	Rp 224.000,00	Rp 208.000,00	Rp 208.000,00
Pilot Lamp (Green) LED	YW1P-2EQM3-G	IDEC / Equal	1	pcs	Rp 240.000,00	Rp 240.000,00	Rp 224.000,00	Rp 224.000,00	Rp 208.000,00	Rp 208.000,00
Subtotal	—	—	—	—	—	**Rp 152.720.000,00**	—	**Rp 157.792.000,00**	—	**Rp 161.904.000,00**

Evaluation Criteria & Scores							
Supplier (code)	**Quality (30%)**	**Price (20%)**	**Delivery (20%)**	**Service (10%)**	**Capacity (10%)**	**Compliance (10%)**	**Weighted Score**
Viktori Profindo Automation (VPA)	5	4	5	5	5	5	**4,8**
Siemenindo Putra Rajawali (SIPR)	5	5	4	4	4	5	**4,6**
PT Prisma Global Mandiri (PGM)	4	4	3	4	3	4	**3,7**

Summary of Supplier Evaluation

The current evaluation suggests that Viktori Profindo Automation (VPA) is the strongest overall supplier with the highest weighted score of 4.8. This means they excelled across all criteria, especially in the most heavily weighted ones: Quality (30%), Delivery (20%), and Price (20%).

Recommendation

Recommended Supplier: Viktori Profindo Automation (VPA)

Reason: VPA achieves the highest weighted score (4.8), showing the strongest overall performance and the most balanced capability across all critical evaluation dimensions—especially Quality, Delivery, and Compliance, which are often high-risk factors.

SHIPPING PLAN & RISK REGISTER

CARGO SPECIFICATION & HANDLING REQUIREMENT			
Item	**Dimension**	**Weight**	**Handling Requirement**
Panel	900×700×400 mm	150 kg	Must be crated + forklift loading/unloading
Cable coil	Ø 1000 mm	350 kg	Pallet + forklift required, heavy load
Tubing	Ø 2 inch × 4 m × 10 pcs	20 kg	Long cargo, manual handline + tie-down
Tools	300×150×100 mm	15 kg	Boxed, manual carry

COST BREAKDOWN – AIR + ROAD DELIVERY				
Phase	Activity	Cost Basis / Notes		Estimated Cost (IDR)
Bandung Warehouse	Forklift loading to truck	Internal forklift rental, 2–3 pallets	Rp	1.000.000,00
	Manpower (2 pax)	2 hours assistance	Rp	400.000,00
		subtotal	Rp	1.400.000,00
Bandung - Jakarta CGK (Trucking)	Box truck 6 m	Fuel + toll	Rp	2.000.000,00
	Helper / Driver meal & misc		Rp	200.000,00
		subtotal	Rp	2.200.000,00
Jakarta Airport Handling	Unloading to cargo terminal	Forklift + 2 porters	Rp	1.200.000,00
	Terminal Handling Charge (THC)	535 kg × Rp 500/kg	Rp	267.500,00
	Documentation admin	AWB, security screening	Rp	350.000,00
		subtotal	Rp	1.817.500,00
Air Freight CGK - PLM	535 kg × Rp 26,000/kg	Source: current domestic cargo rate (mid-range)	Rp	13.910.000,00
Palembang Airport Handling	Forklift discharge + porters	2–3 pallets handling	Rp	1.500.000,00
	Terminal fee	Fixed logistics handling	Rp	250.000,00
		subtotal	Rp	1.750.000,00
Final Mile Delivery PLM - Site	Box truck Palembang area delivery	Fuel + driver + helper	Rp	2.000.000,00
	Unloading at site	Provided by site (Free)	Rp	-
		Grand Total Estimated Cost	Rp	23.077.500,00

DELIVERY SCHEDULE ESTIMATE AIR+ROAD		
Activity	Duration	Notes
Bandung loading & dispatch	0.5 day	Same day departure
Bandung → Jakarta CGK trucking	1 day	Includes traffic buffer
Jakarta airport handling & flight schedule	1 day	If cargo closes noon, fly same day
Flight CGK → PLM	1–2 hours	Standard domestic
Palembang unloading & customs clearance	0.5 day	No customs if domestic
Delivery to site Palembang	0.5 day	Short distance
Total	2-3 days.	

COST BREAKDOWN – TRUCK + FERRY LOGISTICS				
Phase	Activity	Cost Basis / Notes		Estimated Cost (IDR)
Bandung Warehouse	Forklift loading heavy cargo	2 pallets handling	Rp	1.000.000,00
	Manpower 2 pax	Assist tubing/tools	Rp	400.000,00
		subtotal	Rp	1.400.000,00
Bandung - Merak (Trucking)	Box Truck 6 m	Include fuel/toll	Rp	6.000.000,00
	Driver & helper meals/misc		Rp	300.000,00
		subtotal	Rp	6.300.000,00
Ferry Merak - Bakauheni	Ferry ticket (Truk Golongan V)	Typical truck freight incl. 2 crew	Rp	3.300.000,00
Bakauheni - Palembang	Highway to Palembang	Fuel + toll	Rp	4.000.000,00
	Driver/Helper accommodation + meals	1 night rest (safety)	Rp	600.000,00
		subtotal	Rp	4.600.000,00
Site Final Delivery – Palembang	Direct delivery & unloading	Unloading by site crew (free)	Rp	-
		Grand Total Estimated Cost	Rp	15.600.000,00

DELIVERY SCHEDULE ESTIMATE TRUCK + FERRY		
Activity	**Duration**	**Notes**
Bandung loading & administration	0.5 day	Same-day dispatch
Drive Bandung → Merak	1 day	Safety + toll gates + traffic uncertainty
Queue + crossing ferry Merak → Bakauheni	0.5 day	Buffer included
Drive Bakauheni → Palembang	1 day	FT toll gate + transit monitoring
Arrival → unloading at site	0.5 day	Unloading supported by site
TOTAL	3-4 days	

ID	Risk Description	Cause / Trigger	Impact Area	Severity*	Probability*	Mitigation Actions	Contingency / Recovery Actions	Risk Owner	Status
R01	Air cargo backlog during Christmas/New Year peak	High flight volume and limited loading windows	Schedule	High	Medium	Pre-book cargo slot; confirm cut-off times with airline	Shift to alternative airline; move shipment forward by 2–3 days	Logistics Lead	Open
R02	Oversize/heavy cargo surcharge for panels and cable coils	Dimension > std cargo; forklift handling	Cost	Medium	High	Obtain fixed quotation incl. holiday surcharge	Adjust budget contingency up to 30%	Procurement	Open
R03	Cargo damage during airport handling and transfer	Manual forklift transfer, multiple trans-ship points	Quality / Cost	High	Medium	Professional packing; crate separation; on-site supervision	Insurance claim; replace critical parts via fast courier	Vendor + QA	Open
R04	Delayed customs clearance due to public holidays	Customs office closed or backlog	Schedule	Medium	Medium	Submit complete documents early; assign experienced forwarder	Expedite clearance using priority service	Logistics Lead	Open
R05	Truck capacity constraint for 4m tubing and bulky crates	Misfit truck size or incorrect cargo planning	Schedule / Quality	Medium	Medium	Use long-bed trucks; verify layout & tie-down plan	Reserve backup truck	Freight Forwarder	Open
R06	Ferry/Port congestion and weather delays (Road + Sea Scenario)	Monsoon conditions; limited vessel schedules	Schedule	High	Medium	Select after-holiday schedule; monitor weather forecasts	Re-route to Road + Air	Project Manager	Conditional
R07	Limited manpower availability (holiday period)	31 Dec – 2 Jan workforce downtime	Schedule	Medium	High	Confirm manpower availability in contract; advanced scheduling	Temporary labor hire; schedule compression	Vendor + Forwarder	Open
R08	Unexpected holiday toll, fuel surcharge, and security fees	Peak domestic travel drives surge pricing	Cost	Medium	High	Detailed route planning; fix logistic costs in PO	Use alternative route; activate contingency budget 15%	Procurement	Open
R09	Cargo arrival misaligned with site readiness	Site shutdown during year-end holidays	Schedule / Cost	High	Medium	Early coordination w/ site manager; verify receiving hours	Temporary bonded warehouse; secure storage	Site Manager	Open
R10	Insurance gaps for oversize, high-value items	Packing requirements not fulfilled	Quality / Cost	High	Low	All-risk insurance; packing checklist and documentation	Damage claim processing; spare parts priority shipment	QA + Vendor	Open
R11	Incomplete logistics documentation	Missing invoice/packing list/harmonized code	Schedule	Medium	Medium	Use logistics documentation checklist	Same-day courier/file submission to customs	Logistics Lead	Open
R12	Risk of theft or tampering during storage/transit	High-value electronics cargo	Cost / Quality	Medium	Low	Seal monitoring; security escort for land route	Claim & replacement based on insurance	Freight Forwarder	Open
R13	Panel internal components loosen due to vibrations	Long land route + rough handling	Quality	Medium	Medium	Shock sensors; pallet cushioning; anti-vibration packing	Site inspection and tightening before installation	QA	Open
R14	Vendor schedule slip in panel assembly affecting shipping date	Holiday break impacts production	Schedule	High	Low	Weekly progress tracking; apply liquidated damages clause	Partial shipment for ready items	Vendor PM	Open
R15	Vehicle breakdown during long-haul road transport	Equipment age/maintenance issues	Schedule	Medium	Medium	Select reliable carrier; preventive maintenance certification	Tow-assistance contract; spare vehicle standby	Freight Forwarder	Open

Scenario	Schedule Risk	Cost Risk	Reliability	Recommended Use
Air + Road	Low-Medium	Medium-High	Highly Reliable	Critical materials
Road + Sea	Medium	Medium-Low	Weather dependent	Non-critical bulk items

FINAL RECOMMENDATION
Adopt Air Freight + Road Transport for critical electrical materials and panels due to schedule-driven project requirements. Maintain Road + Sea as a conditional contingency route for less critical components.