



The Aanwizjing Result of RFQ NO: K19715

Day / Date: Monday, August 31, 2026.

Time: 09.00 WIB – Finish.

Venue: Zoom

Administration:

Before:	After:
- Quotation shall be submitted in two sealed envelopes separately, one for priced quotation and another for unpriced, addressed to Procurement Team, F&A Division PT. KPJB. The original documents should be received by KPJB not later than 11.00 WIB date September 08, 2026 by registered mail or direct submission after PLTU Tanjung Jati B security check and registration. - Delivery time : not later than August 31, 2026.	- Quotation shall be submitted in two sealed envelopes separately, one for priced quotation and another for unpriced, addressed to Procurement Team, F&A Division PT. KPJB. The original documents should be received by KPJB not later than 11.00 WIB date September 10, 2026 by registered mail or direct submission after PLTU Tanjung Jati B security check and registration. - Delivery time : not later than 90 calendar days after PO effective date. - Vendors shall attach the tender requirements set forth in Attachment 3 of the RFQ - The following is the relevant information regarding the bearings used: standard bearings and seals (non-specialized/custom) shall be utilized. As attached - Please see the Term of Reference after revise in the attachment.

Technical:

Before:	After:
	- KPJB team will conduct a witness inspection at the winning vendor's site during motor disassembly to check for any major findings outside TOR point 6 scope of work. - The winning vendor is required to submit a work timeline prior to commencing the refurbishment work.

Note:

- Closing date of bidding document submission: not later than **11.00 WIB date September 10, 2026** at 2nd gate of PT. KPJB's security.
- The Quotation shall be submitted in two sealed envelopes separately, one for priced quotation and another for unpriced.
- Payment will be made by Telegraphic Transfer (T/T) fortyfive (45) days after invoice received, attached with delivery or work completion report issued by PT.KPJB.
- The others clauses, terms and conditions of this RFQ that not speicified in this MOM of aanwijzing and not against this MOM of aanwijzing still remains unchanged.
- Duty stamp for quotation should follow the new Government's regulation (duty stamp 10.000).
- KPJB safety rules and GTC as attached.
- Term of Refference as attached.

Unprice Document Required

No.	Syarat Administrasi (Administration Requirement)
A.	
1	Asli Surat Penawaran (Original Unprice quotation) yang:
	1. Description sesuai permintaan
	2. Bertanggal (dated)
	3. Bertanda tangan dan Cap Perusahaan (Company stamped)
	4. Menyebutkan waktu pengiriman sampai gudang sesuai permintaan (Time Delivery)
2	Pengalaman Pekerjaan dengan total harga kontrak senilai minimal IDR 25.000.000 – menyerahkan copy kontrak atau PO (Work Experience for contract amount minimum IDR 45.000.000 – submitting the copy of the contract or PO)
3	Copy pembayaran pajak SSP (PPN) 3 bulan terakhir periode: Apr, Mei, Jun 2026 (Copy of last 3 month payment tax or period of: Apr, May, Jun 2026)
4	Original Pakta Integritas
5	Surat Pernyataan Keaslian Dokumen
6	Vendor participant must have registered CSMS Certificate (minimum : Low Risk Level) issued by PT. PLN (Persero) - submitting the copy of the document
7	At least 5 years of experience in industrial mechanical maintenance or refurbishment works. – submitting the copy of the contract or PO (refer to TOR point 7.1)
8	Experience in marine facilities, jetty equipment, or heavy industrial machinery is preferred. – submitting the copy of the contract or PO (refer to TOR point 7.1)
9	Provide minimum two project references of similar work. - submitting the copy of the contract or PO (refer to TOR point 7.1)
10	The bidder shall have access to an adequate workshop facility capable of performing refurbishment activities, including: a. Mechanical dismantling area b. Bearing replacement tools c. Cleaning and inspection equipment d. Electrical motor testing equipment submitting the copy of the company profile (refer to TOR point 7.3)
B.	
1	Copy Surat Ijin Usaha Perusahaan – SIUP / BKPM (PMA) (copy of Business License)
2	Copy Surat Ijin Tempat Usaha – SITU / DOMISILI / HO (Copy of Domicile Certificate)
3	Copy Nomor Pokok Wajib Pajak - NPWP (Copy Tax ID number of company)
4	Copy Surat Pengukuhan Perusahaan Kena Pajak - SPPKP (Copy of Taxable Company Certificate)
5	Copy Tanda Daftar Perusahaan – TDP / NIB (Copy of Certificate Company Registration)
6	Copy Akte pendirian perusahaan/perubahan *jika ada (Deed of Incorporation)

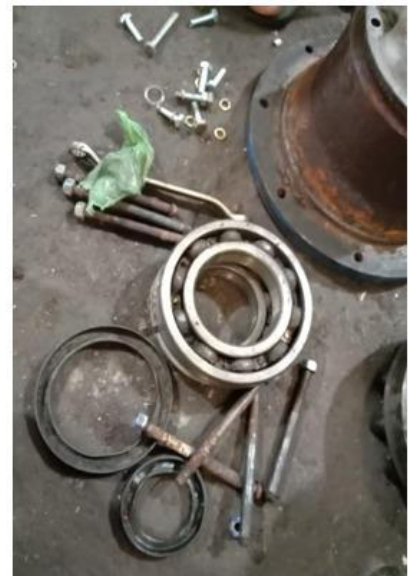
Note: Administration Requirement point B 1-6 is not required to be submitted if your company already registered in our SAP and the Company data submitted still valid until closing time. If any document not submitted by the suppliers or the submitted document do not meet the requirement, we will regard that the supplier fails and we will not open the price quotation document (price evaluation)



Catatan: Syarat Administrasi no. B 1-6 tidak perlu di kirimkan jika perusahaan anda sudah terdaftar di SAP kami dan data yang dahulu di kirimkan masih berlaku sampai dengan waktu penutupan bidding. Jika ada dokumen yang tidak diserahkan atau dokumen yang diserahkan tidak sesuai dengan persyaratan, kami akan menganggap bahwa supplier gagal dan kami tidak akan membuka dokumen penawaran harga (evaluasi harga).

Attachment : Photo bearing and seals

The following is the relevant information regarding the bearings used: standard bearings and seals (non-specialized/custom) shall be utilized.





	PT. KOMIPO PEMBANGKITAN JAWA BALI PLTU TANJUNG JATI B UNIT 3&4	Doc. Ref	: KPJB-0951-02
		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

1. Background

The coal handling jetty is a critical infrastructure that supports the unloading process of coal from vessels to the power plant. The reliability of this facility directly affects the continuity of coal supply required for power plant operation. One of the important supporting systems at the jetty is the mooring system, which ensures that vessels can be safely secured during berthing and unloading activities.

At the dolphin jetty structure, several motorized capstans are installed to assist operators in handling mooring ropes during vessel berthing and unberthing operations. The capstan is driven by an electric gearmotor system consisting of an electric motor and reduction gearbox that provides the required pulling force to control and guide the ship's mooring lines.

During operation, the capstan plays a vital role in improving operational efficiency and safety by reducing manual handling of heavy mooring ropes. Proper functioning of the capstan system ensures safe vessel positioning and minimizes the risk of operational delays during coal unloading activities.

However, the capstan gearmotor is installed in a marine environment, where the equipment is continuously exposed to harsh environmental conditions such as:

- High humidity and sea salt contamination
- Continuous exposure to wind, rain, and sunlight
- Corrosive marine atmosphere
- Mechanical stress during mooring operations

Over time, these conditions may cause deterioration of several critical components including bearings, seals, gearbox internal gears, lubrication systems, and electric motor windings. Aging equipment combined with continuous operational load may reduce the reliability and performance of the capstan gearmotor.

Therefore, in order to maintain the reliability of the mooring system and ensure safe jetty operation, a refurbishment program for the gearmotor capstan at the dolphin jetty is required.



Sign			
	Staff	Leader	Manager

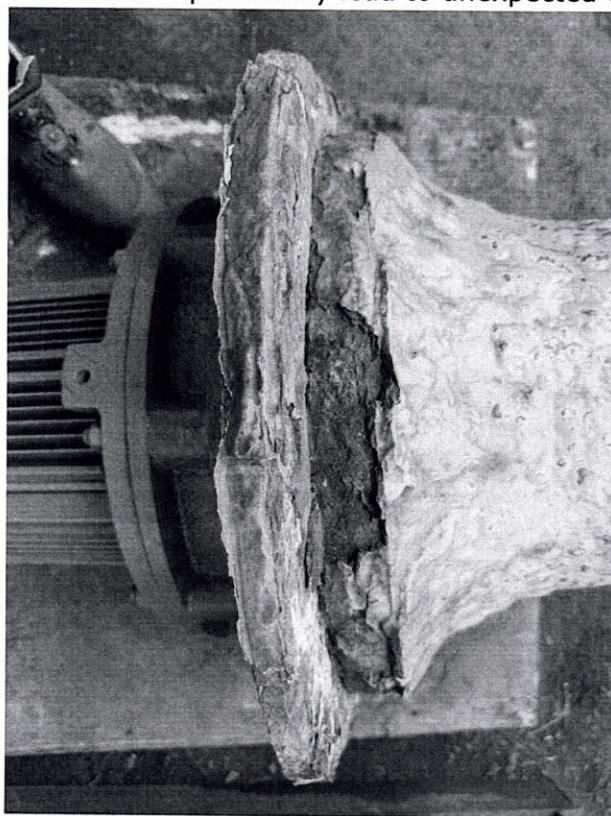
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	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

2. Problem Statement

Based on inspection and operational observations, the existing capstan gearmotor shows indications of performance degradation due to long service life and harsh environmental exposure. Some potential issues that may occur include:

- Degradation of gearbox internal components due to wear
- Bearing wear caused by continuous load and marine contamination
- Deterioration of lubrication quality
- Corrosion on external mechanical components
- Electric motor winding is burned out
- Increased vibration and abnormal noise during operation

If these conditions are not addressed properly, the reliability of the capstan system may decrease and potentially lead to unexpected equipment failure.



3. Objective Of Refurbishment

The objective of this refurbishment program is to restore the performance and reliability of the capstan gearmotor installed at the dolphin jetty.

Specifically, the refurbishment aims to:

- Restore the operational performance of the capstan gearmotor
- Improve equipment reliability and availability
- Extend the service life of existing equipment
- Ensure safe and efficient mooring operations
- Reduce the risk of unexpected equipment failure
- Support uninterrupted coal unloading operations at the jetty

Failure of the capstan system may affect **vessel mooring operations**, increase manual handling risks, and potentially cause delays in coal unloading operations.

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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00



Motor Capstan Dolphin Jetty East side was open winding



There are broken bearing at gearbox and oil seal cause the motor was burn in



Cause Item :

1. Broken bearing and oil seal cause the motor burn in

4. Countermeasure Method

Some of treatment for repair and replacement, we will explain with detail documentation :

- Main Case Winding Motor open



Note :

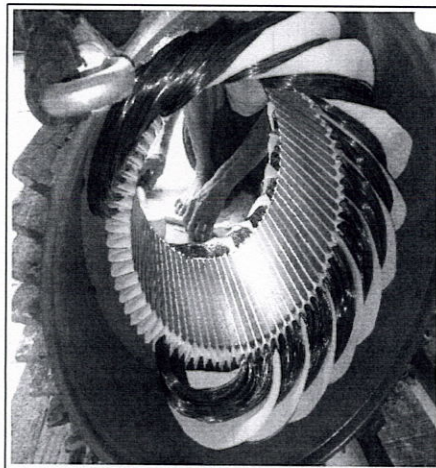
Existing motor has been resistance test and found that the value was OL, This indicate that the winding motor was open.

Some point indicated broken due to burn in. Big possibility due to the bearing and oil seal broken.

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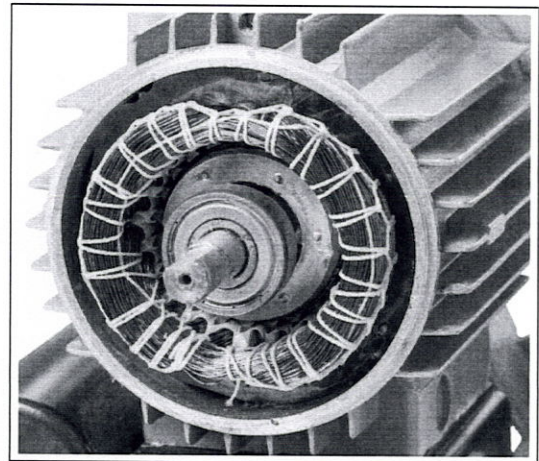
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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

Countermeasure



Rewinding the
motor

Sample of installation



New Winding Motor installed

5. Spare Part Data

5.1. System : COAL HANDLING

5.2. Equipment : JETTY SYSTEM

5.3. Spare Part Group :

- ☐ Overhaul
- ☒ PM & PdM
- ☐ Corrective Maintenance
- ☐ Strategic Parts
- ☐ Strategic Equipment

5.4. Usage Plan : PARTS WILL BE INSTALLED BASE ON OPERATIONAL SCHEDULE AND WORK ORDER.

5.5. Description : THE REFURBISH GEARMOTOR CAPSTAN DOLPHIN JETTY.

6. Scope of Work

The scope of work for the refurbishment of the capstan gearmotor includes the following activities:

6.1 Mechanical Inspection

- a. Visual inspection of the gearmotor
- b. Inspection of gearbox housing and mounting condition
- c. Inspection of drum, shaft, and coupling condition

6.2 Gearbox Refurbishment

- a. Dismantling gearbox housing
- b. Cleaning of internal components
- c. Inspection of gear teeth condition
- d. Replacement of damaged gears (if required)
- e. Replacement of bearings and oil seals
- f. Replacement of lubrication oil
- g. Reassembly of gearbox

6.3 Electric Motor Refurbishment

- a. Motor dismantling and internal inspection

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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

- b. Bearing and seal replacement
- c. Rotor and stator cleaning
- d. Insulation resistance testing
- e. Motor rewinding
- f. Reassembly and testing
- 6.4 Lubrication System
 - a. Replacement of lubrication oil
 - b. Cleaning of lubrication pathways
 - c. Inspection of sealing components
- 6.5 Mechanical Component Refurbishment
 - a. Inspection of capstan drum shaft
 - b. Inspection of coupling alignment
 - c. Replacement of worn coupling elements
 - d. Inspection of mounting bolts and base structure
- 6.6 Surface Treatment and Protection
 - a. Removal of corrosion from external surfaces
 - b. Surface preparation by mechanical cleaning
 - c. Application of marine-grade anti-corrosion coating (300 µ min)
- 6.7 Installation and Commissioning
 - a. Vibration and noise monitoring
 - b. Alignment between motor and gearbox
 - c. Functional testing and operational trial
- 6.8 Refurbish Gearmotor Capstan Dolphin Jetty:

NO	ITEM ID	MAXIMO DESCRIPTION	QTY	UNIT
1	224440-R	WINCH, CAPSTAN DOLPHIN, LOAD 2 TON, SPEED 15M/MIN, SPEED REDUCER TYPE CYCRO/CYCLODIAL W/ HI TORQUE RATIO, DRUM MARINE-GRADE STEEL (S355 OR EQUIVALENT) W/ HDG, MOTOR 5.5KW, 380VAC, 50HZ, IP66 OR HIGHER	1	SET

- 6.9 Recondition of conveyors pulleys as follow:
 Name : THE REFURBISH GEARMOTOR CAPSTAN DOLPHIN JETTY.
 Brand : -

7. Bidder Qualification

7.1. Company Experience

The bidder shall have proven experience in mechanical maintenance, refurbishment, or overhaul of industrial equipment, particularly gearmotor systems or marine equipment. Minimum requirements:

- a. At least 5 years of experience in industrial mechanical maintenance or refurbishment works.
- b. Experience in marine facilities, jetty equipment, or heavy industrial machinery is preferred.
- c. Provide minimum two project references of similar work.

7.2 Technical Capability

The bidder shall demonstrate adequate technical capability to perform the refurbishment work, including:

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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

- a. Qualified mechanical technicians experienced in gearbox and motor overhaul
- b. Availability of appropriate tools and equipment for dismantling and reassembly
- c. Capability to perform inspection, repair, and testing of gearmotor systems

7.3 Workshop Facility

The bidder shall have access to an adequate workshop facility capable of performing refurbishment activities, including:

- a. Mechanical dismantling area
- b. Bearing replacement tools
- c. Cleaning and inspection equipment
- d. Electrical motor testing equipment

7.4 HSE Compliance

The bidder shall comply with applicable Health, Safety, and Environment (HSE) requirements, including:

- a. Implementation of company safety procedures
- b. Availability of trained personnel for safe working practices
- c. Compliance with Permit to Work (PTW) system

7.5 Legal and Administrative Requirements

The bidder must provide valid company documents, including:

- a. Company registration certificate
- b. Business license relevant to mechanical or industrial services
- c. Tax registration and compliance documents

7.6 Personnel Qualification

The bidder shall assign qualified personnel to perform the work, including:

- a. Mechanical supervisor with relevant experience
- b. Skilled technicians for gearbox and motor maintenance
- c. Personnel trained in safe lifting and rigging activities

7.7 Financial Capability

The bidder shall demonstrate sufficient financial capability to execute the project, including:

- a. Ability to mobilize manpower, tools, and materials
- b. Financial stability to complete the project within the contract period

7.8 Conclusion

Only bidders that meet the above qualifications will be considered eligible to participate in the tender process for the refurbishment of the gearmotor capstan at the dolphin jetty coal handling facility.

7.9 Copy of valid Business License (SIUP)

7.10 Professional, competent, resourceful and experienced Agent/Company/Distributor which is able to provide/supply/service coal handling equipment.

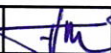
7.11 Domestic Professional company which participates in this bidding shall submit a copy of contract/purchase order confirming that the company has an experience in supplying with the evidence document.

7.12 Any business entity on the PLN Black List is not allowed to participate in this Bidding.

8 Delivery of material and/or services

8.2 Required date of recondition and delivery is **90 calendar days after PO effective date**

8.3 Delivery point is KPJB's Warehouse, PLTU Tanjung Jati B Unit 3&4, Jepara, Central Java.

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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

9 Requirement of Documents

Within delivery the materials, supplier should submit documents as follow:

- 9.2 Warranty letter for 6 months from Supplier.
- 9.3 Delivery letter that approval by user and warehouse.
- 9.4 Test report and refurbishment report.

10 Technical Specification

- 10.1 All of technical specification should be comply with determined specification, cannot be changed, no crack, should be new 100%, genuine, no defect, and can be used properly.
- 10.2 In the case PT KPJB decline the delivered material, supplier should replace the material. If supplier can't replace it, they will be penalized in accordance to General Term & Condition (GTC) of the PO.
- 10.3 Typical technical parameters for marine capstan gearmotor:

Parameter	Specification
Type	Electric Motor Driven Capstan
Motor Power	5 – 15 kW
Power Supply	380–415 V / 3 Phase / 50 Hz
Gearbox Type	Helical or Worm Reduction Gear
Pulling Capacity	10 – 30 kN
Protection Class	IP55 minimum
Duty	Marine Outdoor
Surface Coating	Marine grade anti-corrosion coating
Mounting	Vertical Capstan Configuration

11 Acceptance Criteria

The refurbished capstan gearmotor shall meet the following operational and performance requirements:

- 11.1 Mechanical Performance
 - a. No abnormal vibration during operation
 - b. Smooth rotation of gearbox and drum
 - c. Proper alignment between motor and gearbox
 - d. No oil leakage from gearbox seals
- 11.2 Electrical Performance
 - a. Insulation resistance $\geq 1 \text{ M}\Omega$ per kV + 1 $\text{M}\Omega$
 - b. Normal motor current within rated value
 - c. Stable motor temperature during operation
- 11.3 Operational Performance
 - a. Capstan drum rotation stable and smooth
 - b. Adequate pulling force for mooring line handling
- 11.5 No abnormal noise from gearbox or bearings
- 11.6 Delivery time is complied.
- 11.7 All delivered materials are accordance to PO requirement, specification and condition of the TOR.
- 11.8 Witness test of rubber material, glue and other necessary consumable items.
- 11.9 All of required document are fulfilled.

12 Standard of Quality

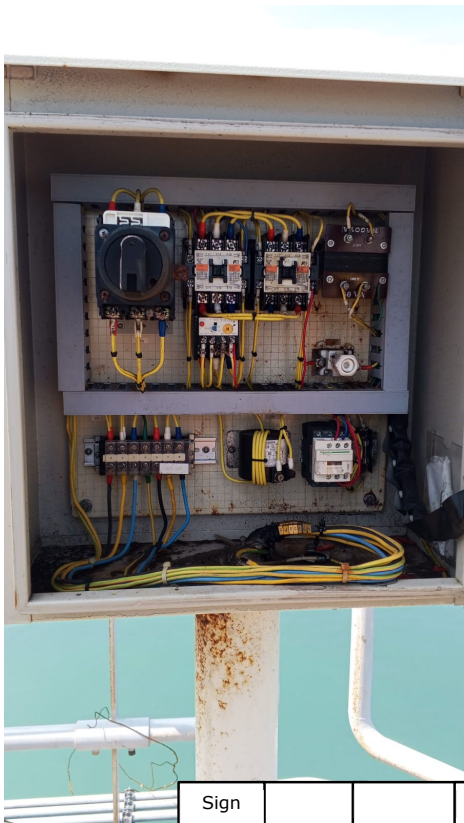
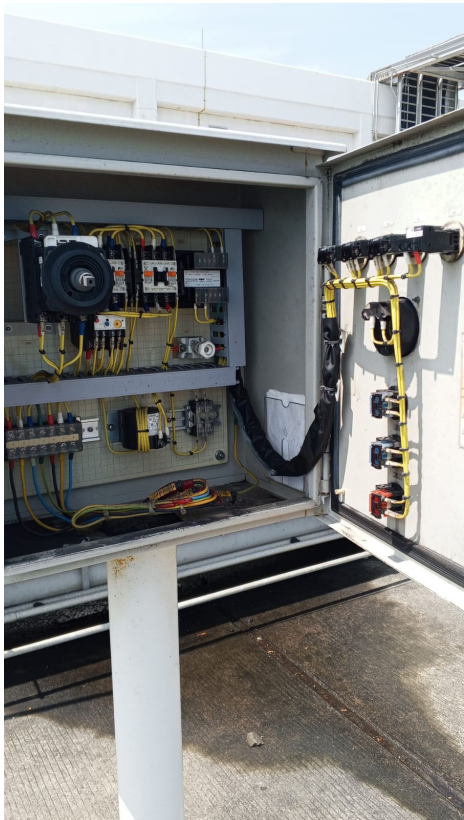
Quality of the material and/or services should comply with standard, code, manufacturer specification and user's requirement.

Term of Reference

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		Form No.	: KPJB-0951-02-ZZ-FM-16
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		Revision No.	: 00

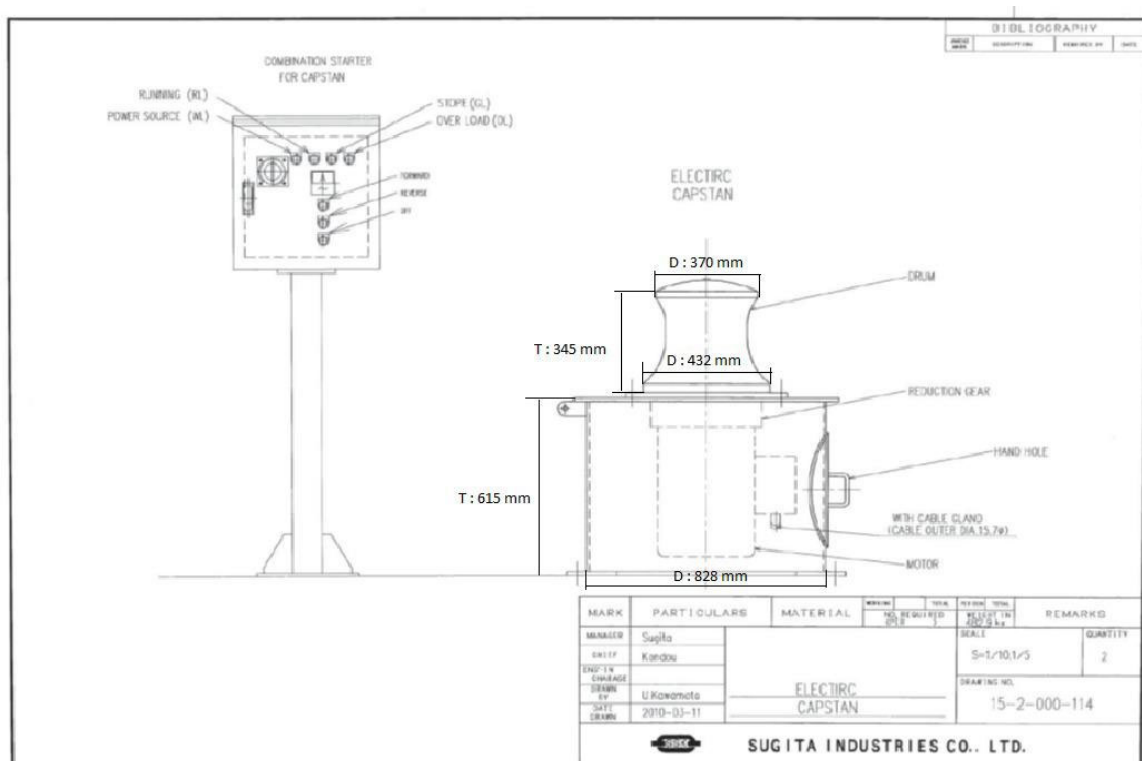
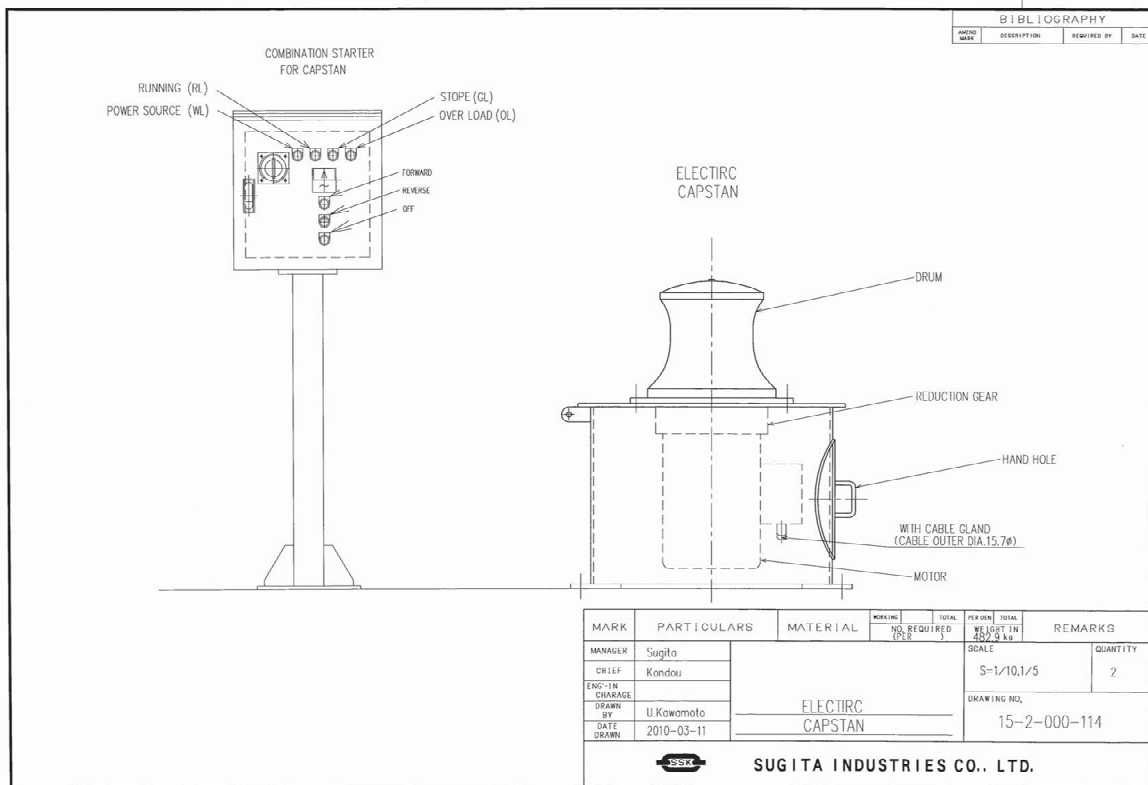
13. Picture of Existing Capstan



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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00

14. Drawing



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		Form No.	: KPJB-0951-02-ZZ-FM-16
	TERM OF REFERENCE	Design Div.	: Finance and Administration
		Revision No.	: 00



15 Warranty

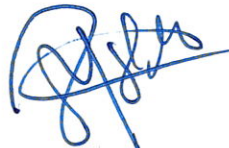
Generally, if there isn't mentioned at other clause, supplier should warrant the material for 6 months after material being receiving by PT. KPJB.

16 CSMS Risk Level

- ☒ 1. Low
- ☐ 2. Moderate
- ☐ 3. High
- ☐ 4. Very High
- ☐ 5. Extreme

17 Others

17.2 Aanwijzing Process is needed.

Prepared by	Checked by	Approved by
		
<u>Yoga Priya Andika</u> Staff	<u>I Wayan Eka Ariawan</u> Leader	<u>Dodi Budiana</u> Manager
Date :	Date :	Date :