



Dockyard & Engineering Works Ltd.

Bangladesh Navy

Sonakanda, Bandar, Narayanganj-1413, Bangladesh

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Ref: 06.02.6758.165.44.407.26. 493

Date: ৪th March 2026

EXPRESSION OF INTEREST (EOI)

1. Dockyard & Engineering Works Ltd, Bangladesh Navy, Sonakanda, Bandar, Narayanganj-1413, intends to procure design/drawing and material package for the Supply & Installation of Heavy Electric Workshop Equipment's (Lot-3), (Tender ID: 1239159) from a reputed OEM/ OEM Authorized Agent/ Supplier. Short description of the work is as follows:

a. **Project Description.** Supply & Installation of Heavy Electric Workshop Equipment's (Lot-3), (Tender ID: 1239159)

b. **Name of Item of Quantity.** Following Items mentioned below related with Heavy Electric Workshop Equipment's:

SL	Name of Item	Quantity
(1)	RECTIFIER 24V DC, 500 AMPS WITH ACCESSORIES	Quantity 01 (One) complete system.
(2)	RECTIFIER, 115V DC, 50 KW WITH ACCESSORIES	Quantity 01 (One) complete system.
(3)	RECTIFIER 220V DC, 75KW WITH ACCESSORIES	Quantity 01 (One) complete system.
(4)	RECTIFIER UNIT 400V DC, 0-100 A (LP SECTION) WITH ACCESSORIES	Quantity 01 (One) complete system.
(5)	RECTIFIER UNIT 600A, 12V DC (LP SECTION) WITH ACCESSORIES	Quantity 01 (One) complete system.
(6)	FREQUENCY CONVERTER 300KVA, VARIABLE INPUT, OUTPUT WITH ACCESSORIES	Quantity 01 (One) complete system.
(7)	ELECTRICALLY HEATED INDUSTRIAL OVEN 15KW	Quantity 01 (One) complete system.
(8)	ELECTRICALLY HEATED INDUSTRIAL OVEN 60KW	Quantity 01 (One) complete system.
(9)	DC MOTOR STARTER 110 V DC, 70A	Quantity 01 (One) complete system.
(10)	DC MOTOR STARTER 220V DC, 350A	Quantity 01 (One) complete system.
(11)	AC STAR/ DELTA STARTER INPUT 380-440V AC, 3PH, 50/60 HZ, 110 KW	Quantity 01 (One) complete system.
(12)	COMPLETE VARIABLE FREQUENCY DRIVE (VFD) WITH STARTER, INPUT: 380-440V AC, 50/60 Hz, 75KW, OUTPUT: 0-400 Hz, 75KW, 3Ph	Quantity 01 (One) complete system.
(13)	ELECTRICAL TEST BENCH, INPUT: 380~440V AC, 50/60 Hz, OUTPUT: 0~450V AC (VARIABLE) & 0~500V DC	Quantity 01 (One) complete system.
(14)	SPEED FIT BEARING HEATER	Quantity 02 (Two) complete system.
(15)	ALTERNATOR TEST BENCH 500KW	Quantity 01 (One) complete system.
(16)	PORTABLE AC MOTOR STARTER, 380-440V AC, 3PH, 50/60 HZ, 30 KW	Quantity 01 (One) complete system.

c. **Country of origin.** USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries

d. **Basic Technical Specification.** Attached as enclosure.



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2. Bidder Qualification:

- a. Local supplier shall have minimum 05 (Five) years of experience in the supply of similar goods. The minimum specific experience as Supplier in supply of similar Goods of at least 1 contract(s) successfully completed within the last 5 years, each with a value of at least Tk. 480 Lakh. The minimum supply and/or production capacity of Goods is/ are: Minimum 1 number in similar goods supplied by last three years.
- b. Attested copy of Valid Trade License or equivalent license.
- c. Updated TIN/ equivalent certificate and Tax Payment Certificate.
- d. VAT/ Business Registration Certificate.
- e. Bank Solvency Certificate.

3. Interested OEM/ OEM Authorized Agent/ Supplier are hereby requested to contact/ email the following person of Planning & Design (P&D) department of this yard:

Md Shahadat Hossain Rubel
Deputy Chief Engineer (Mechanical)
Planning & Design Department
Dockyard & Engineering Works Ltd.
Bangladesh Navy
Sonakanda, Bandar, Narayanganj-1413.
Cell: +8801769719815
Email: dewltd.tender@gmail.com

4. Interested OEM/ OEM Authorized Agent/ Supplier will have to submit all documents both with signed & sealed by 13 March 2026 as per detailed instruction on attached Technical Specification.
5. Offer validity period shall be 150 (One hundred & Eighty) days.
6. DEW reserves the right to reject all or any part of this EOI prior to acceptance without showing any reason.

KHALIDUL ISLAM
Commander BN
For Managing Director

07C
MSA
5/3

Enclosure:

1. Technical Specification - 01 (One) Set.



Form View

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Tender/Proposal Detail

Tender/Proposal ID :	1239159	Invitation Reference No. :	44.08.2680.030.20.031.26.160 Date 02 Mar 2026
Closing Date and Time :	16-Mar-2026 14:30	Opening Date and Time :	16-Mar-2026 14:30
Procuring Entity :	Establishment of Logistics & Fleet Maintenance Facilities for BCG		
Brief :	Supply & Installation of Heavy Electric Workshop Equipments (Lot-3)		
Tender/Proposal Status :	Live		

[View Notice](#)

Form Name : Technical Specifications and Compliance of Goods and related services (Form e-PG3-5)

Notes on Technical Specifications:

Note 1:

[A set of precise and clear specifications is a prerequisite for Tenderes to respond realistically and competitively to the requirements of the PE. In the context of Competitive Tender, the specifications must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness and economy in procurement be realized, responsiveness of Tenders be ensured, and the subsequent task of Tender evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials]

Form Header :

Note 2:

[The PE must explain in clear terms the exact Technical Specification and any relevant National or International Standards which have to be followed for the manufacture and supply of the goods or related services. Technical Specifications shall specify what inspection and/or tests the PE requires and where they are to be conducted]

Note 3:

Keep the same Item no. in price schedule and technical specification form.

Item No.	Name of Goods	Detailed Technical Specification and Standards required	Inspection and/or tests required and test place	Country of Origin	Make, and Model or Brand (when applicable)	Full Detailed Technical Specifications and Standards offered
1	RECTIFIER 24V DC, 500 AMPS WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose. It will be used for providing a stable DC power supply from an AC source (converting AC to DC) for equipment or systems that require DC to operate. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Cooling type Air Cool j. Case material To be mentioned k. Weight To be mentioned AC Input l. Input Power 415 V (±10%) 50 Hz Three Phase AC. m. Power Factor 0.8 or better DC Output n. Voltage 24V DC (Adjustable). o. Current 0-500A (Adjustable). p. Maximum Power Must be capable of withstand 110% load for at least one hour. Battery Charge Option q. Battery type VRLA/ OPzV/ OpzS: / Ni-cd or equivalent r. Boost Charge Timer 0-20 Hours (Adjustable) or better s. Voltage Adjustable Range Minimum 90% Nominal Voltage t. Battery protection Temperature Compensating Charge / Battery Current Limiting, Load on Battery, Charger, Failure, Emergency Stop or equivalent. Preferred Indicators u. Green LED Mains present v. Amber LED Output fuse blown w. Standard communication RS 232, Dry contact x 4 to x 16, parallel operation not less than 4 unit. Passive: Infinite/ Active: Up to 4 Units or better HMI: LED/ LCD Panel Languages: English. x. Protection Short circuit protection Overheating protection. Phase lack protection. Input over/low voltage protection	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		y. Standard Accessories All standard accessories are to be supplied which are essential to install and operate the Rectifier, whether those are mentioned in the tender specification or not. z. Noise level As Per OEM Standard (details to be mentioned). aa. Compliance Standards CE, ISO, IEC or equivalent international standards. bb. IP As Per OEM Standard. cc. Safety Feature a. Over-current protection (fast acting) b. Over-voltage protection on DC side c. Short-circuit protection d. Thermal protection on semiconductors, transformer e. Ground fault detection f. Reverse current protection / blocking diodes or circuits dd. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
2	RECTIFIER, 115V DC, 50 KW WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose. It will be used for providing a stable DC power supply from an AC source (converting AC to DC) for equipment or systems that require DC to operate. d. Quantity. 01 (One) complete system. e. Year of Manufacture. 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Cooling type Air Cool (To be mentioned) j. Case material To be mentioned. k. Safety To be mentioned. l. Weight To be mentioned. AC INPUT m. Voltage 415 V AC (±10%) n. Frequency 45 - 65 Hz or better o. Maximum Current 86A or better p. Power Factor 0.8 or better DC OUTPUT q. Voltage 115 V DC r. Maximum Power 50KW or better must be capable of withstand 110% load for at least one hour s. Maximum Current 435A or better t. Voltage resolution 0.01V or better u. Current resolution 0.01V or better INDICATORS v. Green LED Mains present w. Amber LED Output fuse blown x. Standard Accessories All standard accessories are to be supplied which are essential to install and operate the Rectifier, whether those are mentioned in the tender specification or not. y. Protection 1) Over-current protection (fast acting) 2) Over-voltage protection on DC side 3) Short-circuit protection 4) Thermal protection on semiconductors, transformer 5) Ground fault detection 6) Reverse current protection / blocking diodes or circuits z. Noise level As Per OEM Standard (details to be mentioned). aa. Compliance Standards CE, ISO, IEC or equivalent international standards. bb. Packaging OEM recommended fully sealed box available with accessories. cc. IP As per international standard (To be mentioned) Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
3	RECTIFIER 220V DC, 75KW WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used for providing a stable DC power supply from an AC source (converting AC to DC) for equipment or systems that require DC to operate. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Cooling type Air Cool (To be mentioned) j. Case material Min 1.2mm steel, white powder coated (To be mentioned) k. Weight To be mentioned. AC Input l. Voltage 415 V AC (±10%)	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		m. Frequency 45 - 65 Hz or better n. Power Factor >0.8 or better DC Output o. Voltage 220 V DC p. Capacity Min 75 KW or better must be capable of withstand 110% load for at least one hour. q. Output DC current 300A or better Indicators r. Green LED Mains present s. Amber LED Output fuse blown t. Standard Accessories All standard accessories are to be supplied which are essential to install and operate the Rectifier, 220V DC, 75DW whether those are mentioned in the tender specification or not. u. Protection 1) Over-current protection (fast acting) 2) Over-voltage protection on DC side 3) Short-circuit protection 4) Thermal protection on semiconductors, transformer 5) Ground fault detection 6) Reverse current protection / blocking diodes or circuits v. Noise level As per international standard (Details to be mentioned). w. Compliance Standards CE, ISO, IEC or equivalent international standards. x. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
4	RECTIFIER UNIT 400V DC, 0-100 A (LP SECTION) WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used for providing variable DC voltage from an AC source (converting AC to DC) for equipment or systems that require variable DC to operate. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) AC INPUT i. Voltage 415 V AC (±10%) 50-60 Hz Three Phase DC OUTPUT j. Voltage 400 V DC k. Maximum Power 40 KW or better must be capable of withstand 110% load for at least one hour. l. Maximum Current 100 Amps DC (0-100 Amps Adjustable) m. Frequency 45 Hz to 65 Hz n. Protection 1) Over-current protection (fast acting) 2) Over-voltage protection on DC side 3) Short-circuit protection 4) Thermal protection on semiconductors, transformer 5) Ground fault detection 6) Reverse current protection / blocking diodes or circuits o. Weight To be mentioned p. Compliance Standards CE, ISO, IEC or equivalent international standards. q. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
5	RECTIFIER UNIT 600A, 12V DC (LP SECTION) WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used for providing a stable DC power supply from an AC source (converting AC to DC) for equipment or systems that require DC to operate. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) AC Input i. Voltage 415 V AC (±10%) 50-60 Hz Three Phase. DC Output j. Voltage 12 V DC k. Maximum Power Min 7.5 KW or better must be capable of withstand 110% load for at least one hour. l. Maximum Current 600 Amp DC or better m. Weight To be mentioned. n. Protection 1) Over-current protection (fast acting)	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		2) Over-voltage protection on DC side 3) Short-circuit protection 4) Thermal protection on semiconductors, transformer 5) Ground fault detection 6) Reverse current protection/ blocking diodes or circuits o. Compliance Standards CE, ISO, IEC or equivalent international standards. p. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
6	FREQUENCY CONVERTER 300KVA, VARIABLE INPUT, OUTPUT WITH ACCESSORIES	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used for change the frequency of AC power to match the requirements of a specific load, system or application. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). Utility ? Input h. Voltage 415 V AC ($\pm 10\%$), 50/60 Hz, 3 Phase. i. Capacity 300 KVA or better Load ? Output j. Voltage 200V AC/ 400V AC/ 480V AC 3 phase k. Frequency 50/60 Hz l. Output Current Max 400A for three phase and must be capable of withstand 110% load for at least one hour. m. Voltage tolerance $\pm 10\%$ n. Voltage Accuracy $\pm 1\%$ o. Frequency tolerance ± 0.5 Hz p. Frequency Stability / Accuracy $\pm 0.1\%$ Inverter q. Static Regulation 0 - 100% load $\pm 1\%$ Dynamic regulation 100% 5%, recovering to 1% within 40ms Total harmonic distortion < 3% (Linear Load) Electronic Limit Overload 120%@600s; 150%@60s; 200%@2s Overload Capacity (IGBTs) 150% Continuous Load power factor 0-1 Frequency stability $\pm 0.01\%$ Crystal Controlled Note: Short circuit proof by electric current limiting and shutdown Performance General r. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) s. User interface To be mentioned t. Cooling type To be mentioned u. Rectification IGBT v. Materials Electro-galvanized steel (Preferred),(To be mentioned) w. Standard Communications RS 232, Dry contact x 4 x. Parallel Operation Not less than 2 units y. Redundancy Assurance 1+1 system (Standby, Current Sharing, Parallel Redundant) z. Weight To be mentioned Control Interface aa. Digital inputs (voltage free contacts) To be mentioned bb. Compliance Standards CE, ISO, IEC or equivalent international standards. cc. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
7	ELECTRICALLY HEATED INDUSTRIAL OVEN 15KW	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose. It will be used for providing heat for materials or products to a specific temperature for drying, curing, baking, annealing, or heat treatment in a clean, controlled and efficient way. d. Quantity. 01 (One) complete system. e. Year of Manufacture. 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Inner Dimension (L x B x H) mm Min (1500 x 1500 x 1500) mm (To be mentioned) i. Heating Power 15 KW or better j. Volume As per OEM Standard (To be mentioned) k. Internal chamber Material Stainless steel plate+ Powder coated (Preferred), (To be mentioned) l. External chamber Material Stainless steel plate (Preferred) (To be mentioned) m. Working temperature Ambient to 500°C (± 2 °C accuracy) (To be mentioned) n. Air circulation Horizontal/vertical (To be mentioned)	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		o. Heating Media Electric p. Capacity To be mentioned q. Compliance Standards CE, ISO, IEC or equivalent international standards. r. Control System PLC controlled (Preferred), (To be mentioned) s. Type Cabinet Ovens (Preferred), (To be mentioned) t. Door Type Single Door (Preferred), (To be mentioned) u. Oven Type Industrial v. Power Supply 415 V AC ($\pm 10\%$), 50/ 60 Hz, 3 Phase. w. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
8	ELECTRICALLY HEATED INDUSTRIAL OVEN 60KW	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to provide heat for materials or products to a specific temperature for drying, curing, baking, annealing, or heat treatment in a clean, controlled and efficient way. d. Quantity. 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Inner Dimension (L x B x H) mm Min (2100 x 2000 x 2000) mm (To be mentioned) i. Heating Power 60 KW or better j. Volume As per OEM Standard (To be mentioned) k. Internal chamber Material Stainless steel plate+ Powder coated (Preferred), (To be mentioned) l. External chamber Material Stainless steel plate (Preferred), (To be mentioned) m. Working Temperature Up to 700°C (accuracy ± 2 °C or better) n. Air circulation Horizontal/vertical (Preferred) (To be mentioned) o. Timer 0 to 999 Minute/ Seconds p. Heating Media Electric q. Capacity To be mentioned r. Control System PLC controlled (Preferred), (To be mentioned) s. Type Cabinet Ovens (Preferred), (To be mentioned) t. Door Type Single Door (Preferred), (To be mentioned) u. Oven Type Industrial v. Compliance Standards CE, ISO, IEC or equivalent international standards. w. Power Supply 415 V AC ($\pm 10\%$) 50/ 60 Hz 3 Phase. x. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
9	DC MOTOR STARTER 110 V DC, 70A	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to start & stop DC motors (for testing after/before repair) safely by limiting high starting current that flows through a DC motor when it is first switched on and to protect the motor and circuit from damage. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Starter Type 4-point starter (Preferred), (To be mentioned) j. Configuration Shunt & Compound motor starting/Soft start k. Voltage 110 V DC l. Current 70 Amps or better m. Power Source DC n. Overload Protection Provided (thermal / magnetic overload relay) o. Under-voltage Protection Yes (coil drop-off type) p. Mounting Type Panel Mounted q. Material Enclosure: ABS Plastic (preferred); Internal components made of metal and insulated materials. r. Power Up to 10 HP (To be mentioned) s. Compliance Standards CE, ISO, IEC or equivalent international standards. t. Power Supply The system should operate on 110 V DC supply. Auxiliary power: 12/24V DC (if applicable). u. Packaging OEM recommended fully sealed box	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
10	DC MOTOR STARTER 220V DC, 350A	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose. It will be used to start & stop DC motors (for testing after/before repair) safely by limiting high starting current that flows through a DC motor when it is first switched on and to protect the motor and circuit from damage. d. Quantity. 01 (One) complete system. e. Year of Manufacture. 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Starter Type 4-point starter (Preferred) (To be mentioned) j. Configuration Shunt & Compound motor starting/Soft Start k. Voltage 220 V DC l. Current 350Amps or better m. Power Source DC n. Material ABS Plastic (preferred); internal parts shall be metallic and insulated. o. Power up to 150 HP (To be mentioned) p. Compliance Standards CE, ISO, IEC or equivalent international standards. q. Power Supply The system shall operate on 220V DC. Auxiliary power input: 12V/24V DC (if applicable). r. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
11	AC STAR/ DELTA STARTER INPUT 380-440V AC, 3PH, 50/60 HZ, 110 KW	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to start and stop a three-phase induction motor safely and efficiently by reducing the starting current and torque during start up. It also provides a low voltage & over current protection in a three Phase induction motor. d. Quantity 01 (One) complete system e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Starter Type Microprocessor-based solid-state Star Delta soft starter. j. Configuration AC Motor Control k. Voltage 415 V AC ($\pm 10\%$), 50-60 Hz, 3 Phase l. Current Rating 200 Amps or better m. Material Mild Steel (Preferred),(To be mentioned) n. Power 110 KW or better o. Automation Grade Automatic/Manual (To be mentioned) p. Net weight To be mentioned. q. Compliance Standards CE, ISO, IEC or equivalent international standards. r. Power Supply The system should run with Main Supply: 440V AC, 3Ph, 50/60 Hz; Control Supply: 12/24 V DC (which is applicable). s. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
12	COMPLETE VARIABLE FREQUENCY DRIVE (VFD) WITH STARTER, INPUT: 380-440V AC, 50/60 Hz, 75KW, OUTPUT: 0-400 Hz, 75KW, 3Ph	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to control the speed, torque, and direction of an AC motor efficiently by varying the frequency and voltage of its power supply. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Input rating Input 380-440 V AC, 3Ph, 50/60 Hz, 75 KW j. Output rating Output 0-400 Hz, 75KW, 3 Ph k. Starter Type VFD Starter l. Configuration AC Motor Control m. Voltage 415 V AC $\pm 10\%$ n. Phase 3 phases	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		o. Current Rating Min 150SA or better p. Material Mild Steel (Preferred), (To be mentioned) q. Output Power 75 KW or better must be capable of with stand 110% load for at least one hour. r. Frequency range 0 to 400 Hz. s. Power Factor 0.95 or better t. Automation Grade Automatic/Manual (To be mentioned) u. Net weight To be mentioned v. Cooling method To be mentioned w. Startup method To be mentioned x. Stop method To be mentioned y. Overload capacity 150% of its rated current for 60 seconds and 180% for 3 seconds or better z. Ease of Use Bluetooth control panel option for wireless commissioning and monitoring via a smartphone, simplifying maintenance aa. Compliance Standards CE, ISO, IEC or equivalent international standards. bb. Power Supply The system should run with Main Supply: 380?440V AC, 3Ph, 50/60 Hz; Control Supply: 12/24 V DC (which is applicable). cc. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
13	ELECTRICAL TEST BENCH, INPUT: 380~440V AC, 50/60 Hz, OUTPUT: 0~450V AC (VARIABLE) & 0~500V DC	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to test, inspect, and troubleshoot electrical and electronic equipment or components in a safe, controlled and organized environment incorporating with variable electrical power sources, measuring instruments and safety features. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension (L mm x W mm x H mm) To be mentioned (Compact and smaller size is preferable) i. Input voltage 380-440V AC (±10%), 3 Phase j. Output voltage 0-450V AC (Variable) single and three phase both & 0-500V DC (±10%) or nearby commercially. k. Output Current Up to 500A (Approx.) or nearby in commercially available. (To be mentioned) l. Safety features To be mentioned m. Other features Voltmeter Ammeter Over voltage, short circuit, over current protections Thermal protection Different types of connecting probes Different regulators n. Weight To be mentioned (Lighter weight is preferable) o. Compliance Standards CE, ISO, IEC, or equivalent international standards. p. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
14	SPEED FIT BEARING HEATER	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used for providing sufficient heat to bearings and similar metal components quickly and evenly before installation without using excessive mechanical force and risk of damage of equipment/components. d. Quantity 02 (Two) complete system e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries Turkey, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension To be mentioned (Compact and smaller size is preferable) i. Work piece bore diameter 20 to 400mm j. Operating area height To be mentioned. k. Operating area width To be mentioned. l. Coil diameter To be mentioned. m. Heating temperature (max) 250 °C or better n. Power consumption(max) 3.6 KVA or better o. Voltage 220V ? 240V p. Voltage Frequency 50 -60 Hz or better q. Heating temperature steps To be mentioned. r. Heating temperature control 0 to 250 °C s. Temperature measurement Magnetic probe k-type t. Heating time steps o.1 min or better u. Heating time control 0.1 - 60 minutes or better v. Temperature mode Yes w. Time mode Yes x. Power setting 25% - 100%	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		y. Remote control panel (wired) Yes, with LED display z. Demagnetization after heating (according SKF norms) < 2 A/CM CE certification. aa. Error guiding codes Yes bb. Thermal overload protection Yes cc. Housing material To be mentioned dd. Bearing support arms Yes ee. Yoke storage Yes ff. Main yoke type To be mentioned gg. Weight To be mentioned hh. Induction heater trolley To be mentioned. ii. Compliance Standards CE, ISO, IEC, or equivalent international standards. jj. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
15	ALTERNATOR TEST BENCH 500KW	a. Name of Equipment Alternator Test Bench (Digital, Computerized Type) b. Purpose / Application For comprehensive functional testing, performance verification, and diagnostic analysis of Alternator (dynamo), self-starter of marine, industrial and automotive Engine/Generators having capacity at least 500 kW or more. The system shall support testing under variable electrical load, speed, voltage, frequency, and communication protocol conditions, including automatic recognition of 12 V and 24 V systems. c. Quantity 01 (One) Complete Set d. Year of Manufacture 2025 or later e. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries Turkey, Singapore, South Korea and GCC Countries (To be mentioned). f. Country of Manufacture / Assembly USA, UK, Canada, Australia, Japan, EU Countries, Turkey, Singapore, South Korea and GCC Countries, (To be mentioned). g. Type / Configuration All-in-one compact digital starter and alternator test bench with integrated drive motor, electronic load bank, Digital screen, and computerized control system. h. Rated Power of Drive Motor As per OEM standard. Details to be mentioned. i. Input Power Supply 415V (±10%) AC, 3-Phase, 50 Hz (Bangladesh Standard). j. Speed Range As per OEM standard. Details to be mentioned. k. Test Voltage Range 12 V & 24 V alternators and starters with automatic voltage recognition and selection. l. Test Load Capacity (Alternator) A variable electronic load suitable for alternator testing up to 9.5 HP or as per OEM standard shall be provided. The exact alternator load capacity shall be specified by the manufacturer. m. Measurement Parameters Output voltage, current, frequency, regulation voltage, ripple voltage, field current (DFM), temperature, torque, speed, and efficiency. n. Accuracy As per OEM standard. Details to be mentioned. o. Protocols Supported Full support for commercially available alternator communication standards. Details to be mentioned. p. Oscilloscope / Waveform Analysis Built-in digital oscilloscope for manual or automatic check of diodes, stators, and voltage waveforms with curve display on screen. q. Database / Software Integrated software with pre-loaded database. r. Automatic & Manual Test Modes Dual mode operation with standard and performance test sequences as well as manual control for custom testing. s. Starter Testing Complete starter motor electrical test including free rotation run, voltage drop test, and curve recording. t. Display / User Interface As per OEM standard. Details to be mentioned. u. Computer System As per OEM standard. Details to be mentioned. v. Communication Ports As per OEM standard. Details to be mentioned. w. Printing / Data Export As per OEM standard. Details to be mentioned. x. Safety Features OEM recommended standard safety features are to be provided including but not limited to Emergency stop, over-current / over-voltage protection, short-circuit and reverse-polarity protection, guarded rotating parts, thermal shutdown. y. Noise Level As per OEM standard. Details to be mentioned. z. Compliance Standards CE, ISO, IEC, or equivalent international standards. aa. Calibration Factory calibration certificate traceable to ISO or equivalent standards. bb. Accessories (Std.) OEM recommended standard accessories are to be provided for immediate operation including Alternator mounting clamps, starter adapters,	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

		drive belts, cables, USB flash drive with software / database / manuals, and calibration certificate. cc. Training & Support OEM / authorized representative to provide installation, commissioning and operator training at dockyard site. dd. Documentation Complete set of Operating Manual, Maintenance Manual, Wiring Diagram, Software User Guide, and Calibration Certificate (in English). ee. Packaging & Delivery OEM standard export-grade seaworthy packing; delivery to Bangladesh Coast Guard Dockyard, Gazaria, Munshigonj. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.				
16	PORTABLE AC MOTOR STARTER, 380-440V AC, 3PH, 50/60 HZ, 30 KW	a. Brand and Model Any international recognized brand and latest model (To be mentioned). b. Type To be mentioned c. Purpose It will be used to safely start and stop, control, and protect an AC motor by controlling the starting current during start-up. It also provides overload and short circuits protections. d. Quantity 01 (One) complete system. e. Year of Manufacture 2025 or later. f. Country of Origin USA, UK, Canada, Australia, Japan, EU Countries, Turkey, China, Taiwan, Singapore, South Korea and GCC Countries (To be mentioned). g. Manufacturing Country USA, UK, Canada, Australia, Japan, EU Countries Turkey, China, Taiwan, Singapore, South Korea and GCC Countries, (To be mentioned). h. Dimension To be mentioned (Compact and smaller size is preferable) i. Weight To be mentioned. Compact and portable preferred. j. Capacity in HP Not less than 40 HP or better k. Current capacity Min 30 KW or better l. Control Mode To be mentioned m. Start Mode To be mentioned n. Stop Mode Normal stop (OFF switch), Emergency stop, Under-voltage trip, Overload trip. o. Safety Features 1. Overload relay. 2. Short circuit protection (MCB/MCCB) 3. Under-voltage protection. 4. Emergency stop button. 5. Thermal protection. p. IP rating As per international standard. Details to be mentioned. q. Compliance Standards CE, ISO, IEC, or equivalent international standards. r. Electrical supply 415 V (±10%) AC, 50/60 Hz, 3 Phase s. Packaging OEM recommended fully sealed box available with accessories. Note: If any specific dimension of the item is not commercially available, then the nearby commercially available specification/ dimension can be offered.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text
17	Pre-Shipment Inspection (PSI) / FAT/Foreign Training	Factory acceptance test (FAT)/ pre-shipment inspection (PSI)/ Foreign Training in factory will be carried out for major equipment. FAT /PSI/Foreign Training by a team of three (03) Officers (Engineering background) for a duration of total four (04) days excluding journey time. The supplier shall inform the buyer about the date and schedule of FAT /PSI/foreign training at least 08 (eight) weeks prior to the date of commencement of the said FAT /PSI/foreign training. After trial/ inspection/ training a joint report will be prepared and signed by both the seller and buyer's representatives. All costs related to FAT /PSI/Foreign Training has to be quoted separately with the offer. The Relevant cost of FAT/PSI/foreign training Must be included in Final offered Price.	As Required	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text	Fill By Tenderer/Consultant - Long Text

Table Footer :

[The Tenderer should complete all the columns as required]