बिड संख्या/Bid Number: GEM/2026/B/8215031

दिनांक /Dated: 31-10-2026

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	16-11-2026 12:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	17-11-2026 12:00:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Bihar
विभाग का नाम/Department Name	Science & Technology Department Bihar
संगठन का नाम/Organisation Name	Science And Technology Department
कार्यालय का नाम/Office Name	Principal Government Engineering College Banka
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :shabbiruddin.1985@gov.in Buyer Email id: atulk.choudhary@gov.in
कुल मात्रा/Total Quantity	6
वस्तु श्रेणी /Item Category	Oil Circuit Breaker Test Kit , Cable Fault Locator , PCB Fabrication Lab , Project Work Station , TO STUDY THREE PHASE SLIP RING INDUCTION MOTOR SETUP LIST OF EXPERIMENTS , MAKE CONNECTION OF DOL STARTER/STAR-DELTA STARTER/AUTO TRANSFORMER STARTER/ROTOR RESISTANCE STARTER
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	MAKE CONNECTION OF DOL STARTER/STAR-DELTA STARTER/AUTO TRANSFORMER STARTER/ROTOR RESISTANCE STARTER FOR APPROPRIATE THREE PHASE INDUCTION MOTOR QUARTER CUT SECTION : 3 PHASE INDUCTION MOTOR
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Star Delta Motor Starter for Three Phase Induction Motors (V2)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• Line Operated Three Phase AC Motors (Induction Motor) ISI Marked To IS 12615
पिछले 3 वित्तीय वर्षों का बिडर का न्यूनतम औसत वार्षिक वित्तीय टर्नओवर/Minimum Average Annual Turnover of the bidder (For the last 3 Financial Years)	21.5 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	172 Lakh (s)

बिड विवरण/Bid Details	
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	To be verified by the buyer at the time of technical evaluation
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	PCB Fabrication Lab
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days

बिड विवरण/Bid Details	
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Payment Timelines	Payments shall be made to the Seller within **45** days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाईजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	50000

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

Principal
Principal Government Engineering College Banka, Science & Technology Department Bihar, Science and Technology Department, AT-LAKRIKOLA, DOMUHAN ROAD, PO- MANJIRA, BANKA-813102, BIHAR
(Principal , Government Engineering College Banka)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	No

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

5. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

i. If number of technically qualified bidders are only 2 or 3.
ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Oil Circuit Breaker Test Kit (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	45

Cable Fault Locator (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	45

PCB Fabrication Lab (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	45

Project Work Station (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	45

TO STUDY THREE PHASE SLIP RING INDUCTION MOTOR SETUP LIST OF EXPERIMENTS (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	41

MAKE CONNECTION OF DOL STARTER/STAR-DELTA STARTER/AUTO TRANSFORMER STARTER/ROTOR RESISTANCE STARTER (1 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Atul Kumar Choudhary	813102,GOVERNMENT ENGINEERING COLLEGE,DOMUHON ROAD,LAKRIKOLA,BANKA	1	45

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. **Generic**

   OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be (Increased quantity ÷ Original quantity) × Original delivery period (in days), subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. **Buyer Added Bid Specific ATC**

   Buyer Added text based ATC clauses

EE LABORATORY EQUIPMENT SPECIFICATIONS

Detailed Technical Specifications

Sl.	Equipment	Detailed Technical Specifications	Qty

	1	Oil Circuit Breaker Test Kit	Technical Specifications Equipment: OCB (Oil Circuit Breaker) – 11kV, 400A, 3-Pole, Draw-out type with panel setup Test Panel: Digital meters with Protection Relays (Over Current, Earth Fault Relay) Test Panel: Variable AC current source with trip time indicator/meter Test Panel: Earth Fault Simulator setup Possible Experiments Testing of OCB under over current fault conditions (study tripping characteristics) Testing of OCB under earth fault conditions (study tripping characteristics) Study the construction and operation of OCB	1	
	2	Cable Fault Locator	Technical Specifications Cable model with resistance selector switch Wheatstone bridge circuit with galvanometer and variable resistor in one arm for null adjustment Cable model of different fixed resistor values with selector switches Intermediate test points provided in resistor for fault creation Cable model inputs and outputs terminated on front panel via banana connectors Mounted in durable cabinet with stickered circuit diagram front panel Power: 230VAC input with Power ON/OFF switch Possible Experiments Study the working principle and locate cable faults using Varley loop method	1	
	3	PCB Fabrication Lab	PCB Lab should allow students to produce custom prototype-quality circuit boards in a few hours. An exhaustive user manual should be provided. Laminates High sensitive photo resist coated Short exposing time: 60–90 seconds Colour varies after exposure	1	

		PCB thickness: 1.6mm PCB: 10 Nos. PCB Artwork Paper Transparent papers: 20 Size: A4 UV Exposure Box Supply voltage: 240V, 50Hz Power (max): 200W UV source: 6 x 15W fluorescent lamp Mask area: 22 x 37 cm Developer Chemical: Developer Etching (ET-20) Tank capacity: 2 litres Dimension: 360 x 280 x 40 mm Heater (EPH-20) Temperature adjustment: 35°C to 55°C Waterproof double insulation Power lamp indicates ON/OFF cycle Heating elements with improved insulation Heater rating: 300W/230V AC Air Pump Voltage: 230V/50Hz Power: 3W Etchant Chemical; Quantity: for 5 Nos. PCB Drilling Machine Drilling capacity: 0–3mm Spindle speeds – lower speed stage (stepless): 200–4000 RPM Spindle speeds – high speed stage (stepless): 1000–20000 RPM	
4	Project Work S	Project Work Station consisting of the following:	1

		tation	(a) Soldering Station and De-soldering Pump – 1 No. Voltage: 110V, 120V, 130V, 220V, 230V, 240V AC 50 /60Hz Power consumption: 65W Temperature setting range: 200–480°C Ripple temperature: ±5°C (unloaded) Insulation resistance: over 100MΩ (500V DC) Accessories: Soldering iron stand, soldering iron tip Control unit output voltage: 24V AC Soldering unit: 24V AC/60W; ground resistance < 2Ω ; leak voltage < 2mV; ceramic heater Desoldering pump: Self-cleaning shaft (piston exten ds out nozzle to prevent solder build-up) (b) Scope (Digital Storage Oscilloscope) – 1 No. Bandwidth: 100 MHz; Channels: 2 + External Display: 7-inch colour LCD (320x240 resolution) Acquisition mode: Sample, Peak detect, Averaging; S ample rate (real time): 1 GSa/s Input coupling: DC, AC; Probe attenuation factors: 1 X, 10X Horizontal system: Time base range 2ns/div to 50s/d iv Vertical system: Sensitivity 1mV/div – 20V/div; singl e bandwidth: full bandwidth; rise time ≤ 3.5 ns Trigger mode: Edge, Pulse, Video & Alternate Automatic measurements: 15; Waveform math: Add , Subtract, Divide, FFT Power: 100–240 VAC, 50Hz, CAT II; Fuse: 1A, T class , 250V Accessories: 1 pair of 1:1 (10:1) passive probes, USB cable, power cable, instruction manual (c) Waveform Generator – 1 No. Dual channel 25 MHz function generator using DDS t echnology Channels & resolution: 2 channels; vertical resolutio n 14 bits; sampling rate 125 MS/s Sine wave: 1μHz to 25MHz; Square wave: 1μHz to 5		

		MHz Sawtooth wave: 1mHz to 1MHz; Pulse wave: 500µHz to 5MHz; Arbitrary wave: 1mHz to 5MHz Display: 4.3" TFT LCD Modulation: AM/FM, ASK, FSK, PSK, Burst (d) Digital Multimeter – 2 Nos. Measures voltage, current, resistance, capacitance, frequency, temperature, diode and continuity Data hold; automatic and manual range selection; fu ll function protection Large high-resolution LCD; transistor test; low batter y indication & auto power off Full overload & shock-proof protection DCV accuracy: ±(0.5%+4), 400mV to 1000V ACV accuracy: ±(0.8%+10), 400mV to 750V DCA accuracy: ±(1.0%+10), 400µA to 10A ACA accuracy: ±(1.5%+10), 400µA to 10A	

ITEM NO. 5

TO STUDY THREE PHASE SLIP RING INDUCTION MOTOR SETUP

LIST OF EXPERIMENTS:-

1. To Study Load Test on Three Phase Slipring Induction Motor
2. To Study No Load & Blocked Rotor Test on Three Phase Slipring Induction Motor

MACHINE REQUIRED

Parameter	**Specification**
Type	Phase Wound
Phase	3

Capacity	2.5 kW
R.P.M.	1440 to be displayed on Panel Board using Proximity Sensor fitted on shaft
Volts	415
Insulation	Class ‘B’
Enclosure	TEFC foot mounted
Connections	All the terminals of stator & rotor winding are brought over to an engraved bakelite sheet, fixed to C .I. terminal box, fitted on top of Motor.
Mechanical Loading	Loading of the Motor shall be made through Pronney brake arrangement, consisting of a C.I. drum p ulley, suitable for water cooling, **Calibrated Digital Linear Sensor with LCD Display for torque , weight in kg and diameter of the pulley**, canvas belt with hooks, C.P. wheels with threaded st uds for tightening the belt, frame. The pronney brake loading arrangement should be flexibly couple d (through Love-Joy coupling) to shaft of the motor so that motor is easily detachable from the mech anical loading arrangement as and when required.

Motor should be from ISO Certified Company.

Control Board :- Rust free powder coated control board made up of high grade Fibre moulded body (FRP) of minimum thickness 4 mm for better safety and in compliance with IS3021/IEC60335-1, tested from NABL accredited Lab. Shock proof banana jack terminal (BS-10), BS10 safety terminals are in compliance with IS3 02-1/IEC60335-1, tested from NABL accredited Lab. The Enclosure is open from front side for fitting of Engr aved diagram Bakelite plate. Back side door is with hinges & lock for open the door from back side suitable f or table mounting.

The Control panel should be provided to fit the instruments mentioned below of Size L - 1220mm x H - 610

mm x D - 230mm. The control panel should be mounted on M.S. Angle frame of size 35mm x 35mm x 4mm of height 760 mm with provision for grouting on floor through fasteners. The frame should have extended p latform with hinges made of 19mm plyboard with sunmica fitted top of size 1220mm x 305mm.

(i) Digital AC Voltmeter Micro-controller based, NABL Certified, 0-500V – 1 No.
(ii) Digital AC Ammeter Micro-controller based, NABL Certified, 0-10A – 1 No.
(iii) Digital Wattmeter Micro-controller based, NABL Certified 10 Amp – 2 Nos.
(iv) LCD Display for measure the torque, weight in kg and diameter of the pulley – 1 No.
(v) Digital RPM Meter with Proximity Sensor – 01 No.
(vi) TPN MCB 10 Amp – 01 No.
(vii) Indicating Lamps LED type 16 mm dia – 3 Nos.
(viii) Three phase Rotor Resistance Starter push button type with interlocking arrangement through three p hase contactors so that motor is protected and start only against full rotor resistance in the circuit. The roto r resistance should be provided in steps, simultaneously in all three phases.
(ix) Insulating Terminals.
(x) Patch chords.
(xi) Instruction manual.

ADDITIONAL ACCESSORIES COMPULSORY ITEMS (EXTERNALLY CONNECTED) REQUIRE TO CONDU CT EXPERIMENT

Three Phase Variac, 10 Amp Enclosed type with Caster Wheels and input & output terminals brought out for ease of connections – 1 No.

ITEM NO. 6

MAKE CONNECTION OF DOL STARTER/STAR-DELTA STARTER/AUTO TRANSFORMER STARTER/ROT OR RESISTANCE STARTER FOR APPROPRIATE THREE PHASE INDUCTION MOTOR

QUARTER CUT SECTION : 3 PHASE INDUCTION MOTOR

Cut Out model of 3 Phase Squirrel Cage Induction Motor, consisting of quarter cut section, including shaft of the enclosed cover to show the constructional details of the Motor. The Motor is fitted on an appropriate siz e of M.S. channel frame. Silicon Steel laminations are used for STATOR and ROTOR Core and S.E. copper wir e for Stator winding and Aluminum BAR for ROTOR winding, having provision of showing Rotor caging and R ing and Stator winding and Insulation. The Model is a working one and all parts are marked.

Param eter	**Specification**
Type	Squirrel Cage
Phase	Three
Capacit y	2.5 kW
R.P.M.	1460 to be displayed on Panel Board using Proximity Sensor fitted on shaft
Volts	415
Startin g	Star/Delta, DOL
Insulati on	Class ‘B’

Enclosure	foot mounted
Connections	All the six terminals of stator winding are brought over to an engraved bakelite sheet, fixed to C.I. terminal box, fitted on top of Motor.

Machines should be from ISO Certified Company.

Base Plate

Motor will be mounted on fabricated base plate of MS channel base.

QUARTER CUT SECTION : 3 PHASE SLIPRING MOTOR

Cut Model of three phase Slipring Induction Motor, consisting of Quarter cut section of the enclosed cover to show the constructional details of the wound Rotor and Stator, Sliprings. Silicon Steel Lamination are used for Stator and Armature Core (Wound Rotor) assembly. S.E. Copper wire is used for winding of Stator and Rotor. All the connections of Stator and wound Rotor are brought out on the Bakelite plate. Provision has been made to show the details of Stator, wound Rotor, Slipring and Scissors holder with Carbons and windings. All parts properly marked and the Model is a working one.

Parameter	**Specification**
Type	Phase Wound
Phase	Three
Capacity	2.5 kW
R.P.M.	1460 to be displayed on Panel Board using Proximity Sensor fitted on shaft
Volts	415
Starting	Rheostatic
Insulation	Class ‘B’
Connections	All the terminals of stator & rotor windings are brought over to an engraved bakelite sheet, fixed to C.I. terminal box, fitted on top of Motor.

Base Plate

Motor will be mounted on fabricated base plate of MS channel base.

Control Board :- Rust free powder coated control board made up of high grade Fibre moulded body (FRP) of minimum thickness 4 mm for better safety and in compliance with IS3021/IEC60335-1, tested from NABL accredited Lab. Shock proof banana jack terminal (BS-10), BS10 safety terminals are in compliance with IS302-1/IEC60335-1, tested from NABL accredited Lab. The Enclosure is open from front side for fitting of Engraved diagram Bakelite plate. Back side door is with hinges & lock for open the door from back side suitable for table mounting.

The Control panel should be provided to fit the instruments mentioned below of Size L - 1220mm x H - 610 mm x D - 230mm. The control panel should be mounted on M.S. Angle frame of size 35mm x 35mm x 4mm of height 760 mm with provision for grouting on floor through fasteners. The frame should have extended platform with hinges made of 19mm plyboard with sunmica fitted top of size 1220mm x 305mm.

(i) Digital AC Voltmeter Micro-controller based, NABL Certified, 0-500V – 1 No.
(ii) Digital AC Ammeter Micro-controller based, NABL Certified, 0-10 A – 1 No.
(iii) Digital RPM Meter with Proximity Sensor – 01 No.
(iv) TPN MCB 10 Amp – 01 No.
(v) Indicating Lamps LED type 16 mm dia – 3 Nos.
(vi) DOL Starter – 01 No.
(vii) Star/Delta Starter Fully Automatic – 01 No.
(viii) Auto Transformer Starter – 01 No.
(ix) Rotor Resistance Starter with Interlocking protection arrangement for motor to start gradually only when resistance is fully introduced in rotor circuit at the time of starting – 01 No.
(x) Insulating Terminals.
(xi) Patch chords.
(xii) Instruction manual.

Additional Term and Condition For BID

1. The bidder/OEM should have 3 years of experience in manufacturing such equipment in their manufacturing facility.
2. The bidder/OEM should have not been debarred/blacklisted by any State Government / Central Government institution/department for any reason. An affidavit in this regard on stamp paper should be submitted by the bidder/OEM.
3. Copies of acknowledgement of GST returns for the latest quarter of Financial Year 2025-26 are to be submitted.
4. EMD in favour of the Principal, Government Engineering College, Banka should be submitted Before Bid Opening.
5. Bidder/OEMs must produce a work order for a minimum amount of 50 lacs, of which 80% payment must have been received.
6. Bidder/OEMs must provide the details (Name of OEM (Make) and Model Number) of all the equipment to be supplied by them. Bidder/OEMs are also required to submit the OEM's product catalogue/brochure indicating the specifications of offered equipment for technical suitability.
7. OEM Should have its own manufacturing facility & should enclose Original Photos, Images of the Manufacturing Plant as proof of OEM.
8. Bidder/OEM must have a Solvency Certificate of amount 80% of bid value issued by Scheduled/Nationalize Bank. The same should be submitted along with the bid. The issue date should not be more than 6 months old from the date of last day of submission of bid.
9. Copies of acknowledgement of Income tax returns for the Financial Year 2023-24, 2024-25 and 2025-26 are to be submitted.
10. Sample product/ online product tutorial of product can be demanded from any bidder during technical evaluation to ascertain quality & specification as per discretionary of buyer. Bidder has to provide sample within 10 days or **online product within 2 days of demand otherwise bid may be rejected.**
11. The OEM must submit MSME & NSIC Certificate, if applicable.
12. Factory License of OEM, Process of Manufacturing in the Factory and List of Plant & Machinery should be submitted by the bidder.
13. Payment will be released only after satisfactory delivery, installation, foundation, demonstration and acceptance of goods at the Institute.
14. All bid submitted shall also include the following information or documents in the technical bid.
    i. The bidder must submit the copy of PAN Card.
    ii. The bidder must submit copies of their GST registration certificate from the competent authority.
15. The **bidder/OEM average annual turnover in India should be at least Rs. 10 Cr (Ten Crores) for the last 3 Financial Years (FY-2023-24, FY-2024-25 and FY-2025-26).** The same should be supported by Balance sheet audited by CA.
16. Bidder/OEM must have active service support and required to furnish contact details of Service Executive, details to be furnished on bidder letter head.
17. Bidder should submit valid ISO 9001, ISO 45001 and ISO 14001 certificate of OEM.
18. OEM must have NABL Calibration Facility on Own or through its Sister Concern. Documents in support should be submitted with the bid.
19. **Bidders who do not meet the criteria given above are subject to be disqualified**, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, any false declaration, etc.
20. All products should carry a three-year onsite warranty.
21. Details of Comprehensive Annual Maintenance Contract (CAMC) after the warranty period may be clearly mentioned in the Financial Bid Documents (as applicable).
22. The prices must be inclusive of GST, packing, freight, unloading, installation & foundation etc.

23. **Principal, Government Engineering College, Banka reserves the right to cancel the bid at any time without assigning any reasons thereof.**
24. The bidder must provide the hard copies of detailed manuals/brochures with each item/equipment.
25. In case of any conflict in term and condition, the ATC will be accepted.

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3. **Buyer Added Bid Specific ATC**

   Buyer uploaded ATC document Click here to view the file.

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer ,is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid.All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM.If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the

bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो।बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---