

Technical Specifications

SL. No	Description and Technical Specification of the item	QTY	UNIT	Delivery
1	<p>Incremental encoder 2000 PPR</p> <p>Incremental rotary encoder</p> <p>Power supply voltage: 5 -24V Resolution: 2000 PPR Output Type: Open Collector NPN Output phases: A, B and Z Diameter: 40 mm dia. Connection method: Pre-wired Cable length: 2 m With Accessories: Couplings, Hex-head spanner, mounting bracket if required</p> <p>Reference Make/Model: OMRON / E6B2-CWZ6C 2000P/R Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	6.00	NO	120 DAYS
2	<p>Incremental encoder 3600 PPR</p> <p>High Resolution encoder</p> <p>Power supply voltage: 12VDC Resolution: 3600 PPR Output Type: Open Collector output Output phases: A, B and Z Connection method: Pre-wired Cable length: 2 m With Accessories: Couplings, Hex-head wrench, mounting bracket if required.</p> <p>Reference Make/Model: OMRON / E6D-CWZ2C, 3600P/R Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	2.00	NO	120 DAYS

3	<p>Incremental encoder 500 PPR</p> <p>High Resolution encoder</p> <p>Power supply voltage: 12-24VDC Resolution: 500 PPR Diameter: 50 mm dia. Output Type: Complementary output Output phases: A, B and Z Connection method: Pre-wired Cable length: 2 m with Accessories: Couplings, Hex-head spanner if required</p> <p>Reference Make/Model: OMRON / E6C3-CWZ5GH 500P/R Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	2.00	NO	120 DAYS
4	<p>Incremental encoder 1000 PPR Dia:50mm</p> <p>Incremental shaft model</p> <p>Power supply voltage: 5 -24V Resolution: 1000 PPR Output Type: Open Collector NPN Output phases: A, B and Z Diameter: 50 mm dia. Connection method: Pre-wired Cable length: 2 m With Accessories: Couplings, Hex-head spanner if required</p> <p>Reference Make/Model: OMRON / E6C2-CWZ6C 1000P/R Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	2.00	NO	120 DAYS

5	<p>Incremental encoder 1000 PPR Dia:40mm</p> <p>Incremental rotary encoder</p> <p>Power supply voltage: 5 -24V Resolution: 1000 PPR Output Type: Open Collector NPN Output phases: A, B and Z Diameter: 40 mm dia. Connection method: Pre-wired Cable length: 2 m With Accessories: Couplings, Hex-head spanner if required</p> <p>Reference Make/Model: OMRON / E6B2-CWZ6C 1000P/R Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	2.00	NO	120 DAYS
6	<p>Safety Limit Switch</p> <p>Omron Safety Limit Switch Set: 1NC/1NO (snap-action) Contacts rated for 10A, Roller plunger Actuator, M20 Conduit, IP67, suitable for -40°C to 80°C Operation duly tested and Accessories</p> <p>Reference Make/Model: OMRON / D4B-4171N Warranty: 1 year from date of acceptance at BHEL</p> <p>NOTE: 1. Detailed product catalogue of the model shall be submitted along with the offer. 2. Vendor to ensure dimensional and electrical compatibility in case the offered model is different from the reference model.</p>	6.00	NO	120 DAYS

PR No: 89908650 – Omron Encoders required for Critical Machines in unit-2

PRE - QUALIFICATION CRITERIA

The Bidder/Vendor has to compulsorily meet all the following requirements to get qualified for consideration of the technical offer for the mentioned items. The vendor has to submit supporting documents without which the offer will not be considered for technical evaluation. If the vendor does not qualify as per Pre-Qualification Criteria, the technical offer of such BIDDER / VENDOR offer will not be evaluated.

- 1) Only those vendors who are the OEM or the authorized dealers or distributors of “Omron Automation India” shall quote.
- 2) Vendor should have supplied Encoders or related components in the past to industries.
- 3) Vendor shall submit previous PO copies (within last 5 years) from reputed customers for supply of similar or equivalent items to the technical specification.
- 4) BHEL will verify the above information provided by the bidder. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.

**KUMARESAN
SUKUMARAN**

Digitally signed by
KUMARESAN
SUKUMARAN
Date: 2024.12.17
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Annexure – A- Special Conditions for GeM Enquiry

The terms and condition mentioned in this document are applicable in addition to the Buyer Added Bid Specific Additional Terms & Conditions and GeM General Terms and Conditions. Bidders shall furnish pointwise confirmation/details.

<u><i>To be filled by bidder</i></u>		
Description of the item/Equipment:		
GeM Tender No. & Date		
Name of the firm (Bidder)	:	
Address	:	
<u>Contact person 1</u> Name: Designation: Office Phone: Mobile: e-mail:	<u>Contact person 2</u> Name: Designation: Office Phone: Mobile: e-mail:	
Sl	Terms and conditions/Details required	Vendor's confirmation
1.	Indicate the MSME status of the bidder. MICRO/SMALL/MEDIUM/Non-MSME. Note: Udyam certificate to be uploaded in proof of above. If it is indicated as "For availing benefits of Priority Sector Lending(PSL) ONLY" in Udyam certificate, then no MSME benefit will be considered for this tender.	
2.	Payment terms shall be as per clause 9 of Buyer Added Bid Specific Additional Terms & Conditions for this tender. Confirm your acceptance for the payment terms relevance to your MSME status indicated above.	
3.	Liquidated Damages shall be as per clause 18 of Buyer Added Bid Specific Additional Terms & Conditions. Confirm your acceptance.	
4.	Offers from Indigenous supplier will be considered only if they have a valid GST registration certificate. Please Indicate the GST registration number. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.	GST No. _____
5.	Performance Bank Guarantee: Not Applicable	
6.	HSN Code for the quoted items	HSN CODE : _____
7.	Rate quoted in GeM portal should be on FOR destination basis inclusive of all taxes, P&F, freight etc. Transit Insurance is under Supplier scope. Please indicate how much GST percentage is included in quoted price.	GST in %: _____
8.	All the terms and conditions in Buyer Added Bid Specific Additional Terms & Conditions of this tender are read, understood and agreed by the vendor without any deviation. Vendor to confirm.	
9.	Duly filled, signed and stamped copies of the annexures as indicated in clause 31 of Buyer Added Bid Specific Additional Terms & Conditions of the enquiry are to be provided in the letter head of the Supplier. Please fill the annexures with GeM enquiry number, Item description and your company name wherever required. Also please Tick the appropriate option wherever required.	
10.	There will not be any RA (Reverse Auction). Hence suppliers to quote their best price while submitting their offer itself.	

Vendor's Seal & Signature

CHECK LIST

NOTE: - Suppliers are required to fill in the following details in their Letterhead and no column should be left blank

A	Name and Address of the Supplier		
B	GSTN No. the Supplier (Place of Execution of Contract / Purchase Order)		
C	Details of Contact person for this Tender	Name: Mr./ Ms. Designation: Telephone No: Mobile No: Email ID:	
D	EMD DETAILS	Not applicable	
E	DESCRIPTION	APPLICABILITY (BY BHEL)	ENCLOSED BY BIDDER
i.	Whether Pre - Qualification Criteria is understood and provided proper supporting documents.	Applicable/ Not Applicable	YES / NO
ii.	Whether all pages of the Tender documents including annexures, appendices etc are read and understood	Applicable/ Not Applicable	YES / NO
iii.	Audited Balance Sheet and profit & Loss Account for the last three years	Applicable/ Not Applicable	YES / NO
iv.	Copy of PAN Card & GST registration	Applicable/ Not Applicable	YES / NO
v.	Submission of Udyam certificate as specified in Tender (applicable in case of MSME supplier)	Applicable/ Not Applicable	YES / NO
vi.	Offer forwarding letter / tender submission letter as per Annexure – 2	Applicable/ Not Applicable	YES / NO
vii.	Submission of Certificate of No Deviation as per Annexure – 3	Applicable/ Not Applicable	YES / NO
viii.	Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings as per Annexure – 4	Applicable/ Not Applicable	YES / NO
ix.	Declaration by Authorized Signatory as per Annexure – 5	Applicable/ Not Applicable	YES / NO
x.	Declaration by Authorized Signatory regarding Authenticity of submitted Documents Annexure – 6	Applicable/ Not Applicable	YES / NO
xi.	Submission of Non-Disclosure Certificate as per Annexure – 7	Applicable/ Not Applicable	YES / NO
xii.	Submission of Integrity Pact as specified in Tender as per Annexure – 8	Applicable/ Not Applicable	YES / NO
xiii.	Declaration confirming knowledge about Site Conditions as per Annexure – 9	Applicable/ Not Applicable	YES / NO

xiv.	Declaration reg. Related Firms & their areas of Activities as per Annexure – 10	Applicable/ Not Applicable	YES / NO
xv.	Declaration for relation in BHEL as per Annexure – 11	Applicable/ Not Applicable	YES / NO
xvi.	Declaration reg. minimum local content in line with revised public procurement as per Annexure – 12	Applicable/ Not Applicable	YES / NO
xvii.	Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017 as per Annexure – 13	Applicable/ Not Applicable	YES / NO
xviii.	Bank Account Details for E-Payment as per Annexure – 14	Applicable/ Not Applicable	YES / NO
xix.	Power of Attorney for submission of tender as per Annexure – 15	Applicable/ Not Applicable	YES / NO
xx.	Proforma of Bank Guarantee for Earnest Money as per Annexure – 16	Applicable/ Not Applicable	YES / NO

NOTE: Strike off 'YES' or 'NO', as applicable. Tender not accompanied by the prescribed **above applicable documents** are liable to be summarily rejected.

DATE:

**Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)**

CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Subject: **No Deviation Certificate**

Ref: 1) GeM Bid No:

2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred GeM Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

**(Signature, date & seal of
authorized representative of the
bidder)**

Date:

Place:

UNDERTAKING

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: GeM Bid Specification No:

I/We, _____ declare that, I/We am/are not admitted under insolvency resolution process or liquidation under Insolvency and Bankruptcy Code, 2016, as amended from time to time or under any other law as on date, by NCLT or any adjudicating authority/authorities

**Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)**

Place:

Date:

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: **Declaration by Authorised Signatory regarding Authenticity of submitted documents.**

Ref: 1) GeM Bid No. & Date:

2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of "Qualifying Requirements" are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded contract) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours faithfully,

**(Signature, Date & Seal of Authorized
Signatory of the Bidder)**

Date:

NON-DISCLOSURE CERTIFICATE

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

I/We understand that BHEL, Trichy is committed to Information Security Management System as per their Information Security Policy.

Hence, I/We M/s who are submitting offer for providing Supply/services to BHEL, Trichy against GeM Bid No..... hereby undertake to comply with the following in line with Information Security Policy of BHEL, Trichy.

- To maintain confidentiality of documents & information which shall be used during the execution of the Contract.
- The documents & information shall not be revealed to or shared with third party which shall not be in the business interest of BHEL, Trichy.

(Signature, date & seal of Authorized Signatory of the bidder)

Date:

DECLARATION

Date: _____

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/ Madam,

Sub: Details of related firms and their area of activities

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, _____ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: M/s

Supplier
Code:

Address:

DECLARATION FOR RELATION IN BHEL

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration for relation in BHEL

Ref: 1) GeM Bid Specification No:

I/We hereby submit the following information pertaining to relation/relatives of Proprietor/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

1. The Proprietor, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprietor, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:

i.

ii.

**(Signature, Date & Seal of
Authorized Signatory of the Bidder)**

Note:

1. Attach separate sheet, if necessary.
2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable against the Bidder/Contractor.

DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF GFR 2017

(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref: 1) GeM Bid Specification No:
2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that _____ (**SPECIFY THE NAME OF THE ORGANIZATION HERE**), is not from such a country/ has been registered with the Competent Authority (*attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT).*

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,

Yours faithfully,

**(Signature, Date & Seal of
Authorized Signatory of the Bidder)**

Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.