



Bid Number/बोली क्रमांक (बिड संख्या) GEM/2023/B/3384698 Dated/दिनांक : 01-05-2023

# Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण			
Bid End Date/Time/बिड बंद होने की तारीख/समय	22-05-2023 16:00:00		
Bid Opening Date/Time/बिंड खुलने की तारीख/समय	22-05-2023 16:30:00		
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)		
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Heavy Industries And Public Enterprises		
Department Name/विभाग का नाम	Department Of Heavy Industry		
Organisation Name/संगठन का नाम	Bharat Heavy Electricals Limited (bhel)		
Office Name/कार्यालय का नाम	10110009-heep, Haridwar		
Total Quantity/कुल मात्रा	8		
ltem Category/मद केटेगरी	DC EMERGENCY LUBE OIL STARTER , GENERATOR INSTRUMENTATION CABINET , DC JACKING OIL PUMP STARTER , DC SEAL OIL PUMP STARTER		
BOQ Title/बीओक्यू शीर्षक	DC STARTER Panel and GIC		
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	and No		
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No		
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Additional Doc 1 (Requested in ATC) *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		
Bid to RA enabled/बिंड से रिवर्स नीलामी सक्रिय किया	Yes		
RA Qualification Rule	H1-Highest Priced Bid Elimination		
Type of Bid/बिंड का प्रकार	Two Packet Bid		
Primary product category	DC JACKING OIL PUMP STARTER		
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days		

	Bid Details/बिड विवरण	
issue of consignee receipt-cum-acceptance certificate    Payment Timelines		supersession of 10 days time as provided in clause 12 of
		Total value wise evaluation

#### EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाईजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	150000

#### ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No

- (a). 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./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज 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।
- (b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

#### Beneficiary/लाभार्थी:

MANAGER

10110009-HEEP, Haridwar, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises (Bhel Heep)

#### Splitting/विभाजन

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

#### MSE Purchase Preference/एमएसई खरीद वरीयता

ACE Division and Directories of the Acet	Na
ISE Purchase Preference/एमएसई खरीद वरीयता	No

#### **Details of the Competent Authority for MSE**

Name of Competent Authority	SAGAR GUPTA
Designation of Competent Authority	Dy. MANAGER
Office / Department / Division of Competent Authority	воі

CA Approval Number	354992
Competent Authority Approval Date	01-05-2023
Brief Description of the Approval Granted by Competent Authority	All material to be procured from single source of supply.

Competent Authority Approval for not opting Micro and Small Enterprises Preference : View Document

# MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes

- 1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
- 2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.
- 3. 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

#### DC EMERGENCY LUBE OIL STARTER

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अईता प्राप्त करने के लिए आवश्यक)

Brand Type/ब्रांड का प्रकार	Unbranded
Technical Specifications/तकनीकी विशिष्टियाँ	

Specification Document	<u>View File</u>

BOQ Detail Document	View File			
Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.				

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Bonigala Kanthi Kiran	628215,SE/ PROJECTS 2X660MW UDANGUDI STPP STAGE-I TAMIL NADU GEN. & DIST. CORP. UDANGUDI, THOOTHUKUDI-628215 TAMIL NADU STATE: Tamil Nadu-33	1	120

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#### **GENERATOR INSTRUMENTATION CABINET**

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Brand Type/ब्रांड का प्रकार	Unbranded
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Brand Type/ब्रांड का प्रकार	Unbranded
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#### **DC SEAL OIL PUMP STARTER**

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Brand Type/ब्रांड का प्रकार	Unbranded
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Brand Type/ब्रांड का प्रकार	Unbranded

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

#### 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 by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

#### 2. Buyer Added Bid Specific ATC

Buyer uploaded ATC document Click here to view the file.

# Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

- 1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
- 2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
- 3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
- 4. Creating BoQ bid for single item.
- 5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
- 6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
- 7. Floating / creation of work contracts as Custom Bids in Services.
- 8. Seeking sample with bid or approval of samples during bid evaluation process.
- 9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
- 10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
- 11. Creating bid for items from irrelevant categories.
- 12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
- 13. Reference of conditions published on any external site or reference to external documents/clauses.
- 14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

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 within 4 days of bid publication on GeM. 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.

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

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./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।

---Thank You/धन्यवाद---

# Scope of Enquiry Item Name: DC Starter, GIC Panels Projects: 2X660 MW Udangudi

E-bids on GeM are invited from bidders for the supply of <u>DC Starter & GIC Panels for 2X660 MW Udangudi Project</u>, as per requirement mentioned below:

SI. No.	Material Code & Item Description	Total Quantity	Lot No.	LOT Quantity	Date for Supply Completion
1.	W96415209736 DC.EOP- DC EMERGENCY LUBE OIL STARTER FOR 19 KW	2 sets	1	1 set	30.09.2023
	MOTOR, AS PER DRG 41811901019 SPEC: TG60667 REV: 03		2	1 set	30.11.2023
2.	W96415209728 DC STARTERS & INSTRUMENTATION CABINET, GENERATOR INSTRUMENTATION CABINET(GIC) FOR 660MW	2 Sets	1	1 set	30.09.2023
	MACHINE AS PER DRG NO. 41811901018.  SPEC: TG60668 REV: 03		2	1 set	30.11.2023
3.	W96415210475 DC JACKING OIL PUMP STARTER CA BINET (FOR 90KW MOTOR) AS PER	2 Sets	1	1 set	30.09.2023
	DRG: 41811901028 SIZE: 1000(W) X800(D)X2100(H)APPOX SPEC: TG60667 REV: 03		2	1 set	30.11.2023
4.	W96415210610 DC.SOP- DC SEAL OIL PUMP STARTER FOR 15KW (114 A) MOTOR AS	2 sets	1	1 set	30.09.2023
	NO. 41811901030 SPEC: TG60667 REV: 03		2	1 set	30.11.2023

#### A. Consignee address:

SE/ PROJECTS, 2X660MW UDANGUDI STPP STAGE-I, TAMIL NADU GEN. & DIST. CORP., UDANGUDI, THOOTHUKUDI-TAMILNADU - 628215

**B. EARNEST MONEY DEPOSIT (EMD):** EMD shall be as per clause no. 4 (xiii) (n&p) of General terms and conditions on GeM 4.0 (Version 1.9). Interested vendors must submit their e-bid along with the proof of submission of following Earnest Money Deposit (EMD) details in GeM portal.

Details	Amount In INR	Туре
EMD	1,50,000.00	Refundable

The EMD should be submitted in the form of demand draft / Pay Order/ Cash (as permissible under Income Tax Act). The Drafts shall be drawn in favor of "BHEL Hardwar". E- payment is also acceptable. For E-Payment, the RTGS details are as mentioned below:

Bank Details	SWIFT Details of bank	Contact Details of Banker
STATE BANK OF INDIA RANIPUR BRANCH,	SWIFT NO : SBININBB225	Contact No.
OPP: BHEL MAIN GATE,	CC ACCOUNT NO : 10667995458	+91 1334 224201
SECTOR-5, RANIPUR, HARIDWAR,	IFSC CODE: SBIN0000586	+91 1334 226125
UTTRAKHAND, INDIA PIN CODE : 249403		Fax:+91 1334 226512

# Buyers Specific Additional Terms & Conditions Projects: 2X660MW UDANGUDI STPP

Sl. No.	Terms	Description	Your confirma tion
1.	Confirmation to compliance of General terms and conditions on GeM 4.0 (Version 1.9)	General terms and conditions on GeM 4.0 (Version 1.9) or subsequent rules/policies issued by GeM shall be applicable.  Please confirm.	
2.	Public Procurement (Preference to Make in India)	For this procurement, the local content to categorize, a supplier as a Class-I local supplier/ Class-II local Supplier/Non-Local supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), PPP-MII Order No. P-45021/ 2/ 2017-PP (BE-II) dtd. 04/06/2020 issued by DPIIT. In case of subsequent Orders issued by the respective Nodal Ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.  Vendor to submit tender specific self-certificate in line with PPP-MII Order No. P-45021/ 2/ 2017-PP (BE-II) dtd. 04/06/2020 clearly indicating percentage of local content. Please Confirm	
3.	Pre-Qualification Requirements (PQR)	The Pre-Qualification Requirements have been compiled and placed at ANNEXURE-1. All the bidders should ensure submission of complete details and documents as called for in these requirements. The Offers submitted by the bidders would be scrutinized with respect to Pre-Qualification Requirements first. Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.	
4.	Special Instruction of Technical requirement	Please confirm that relevant BHEL specification no. TG60667, TG60668, TG60184, TG60544 & TG60577 are followed for concerned items of the enquiry.  Please confirm that relevant BHEL drawing No. 41811901018 R02, 41811901019, 41811901028 & 41811901030 are followed for concerned items of the enquiry.	
		Loose items of GIC cabinet (Level Probes) to be packed separately and clearly labelled as "Loose items of GIC Cabinet". Detailed packing list of the same to be provided by the vendor.	
		<ol> <li>Vendor to provide following documents:</li> <li>5 no. hard copies of operation &amp; maintenance (O &amp; M) manual along with supplies.</li> <li>2 no. hard copies &amp; soft copy of O &amp; M manual to be sent to BHEL Haridwar.</li> <li>Pre-commissioning checklist.</li> <li>Test Certificates &amp; Guarantee certificates.</li> <li>Life time of packing material and expiry of warrantee should be mentioned on packages with RED paint.</li> <li>Storage and prevention manual for site.</li> </ol>	
		All push button of panels will be 2 NO/2NC.	
5.	BHEL Product Specification confirmation	Kindly confirm that quoted offer by you have been complied all technical requirements as given in tender documents and submit all documents to BHEL as per tender specifications (i.e. TG60667, TG6668, TG60184, TG60544 & TG60577) and drawings (i.e. 41811901018_R02, 41811901019, 41811901028 & 41811901030) without any deviations.	
6.	Sharing of Specifications & drawings	Bidders shall submit endorsed copy of attached FCA at email id <a href="mailto:adesh@bhel.in">adesh@bhel.in</a> or <a href="mailto:sagargupta@bhel.in">sagargupta@bhel.in</a> to get soft copy of Specifications & drawings. BHEL —HEEP registered PMD vendors for the items of this enquiry will not require to provide signed FCA to get the confidential drawings/specifications.	

7.	Price basis & Evaluation Currency	Prices should be quoted on Ex-works freight prepaid up to Udangudi Project basis including freight, packing & forwarding charges, GST etc.  Transit insurance shall be arranged by BHEL and not to be included in the prices.  Please mention here the applicable GST rate included in the price quoted by you.  The evaluation currency for this tender shall be INR.	
8.	Evaluation criteria	Evaluation will be done on the basis of total landed cost to BHEL, with cost involved for delivery up to BHEL Khurja project site (considering material cost, taxes & duties, Freight, etc.).	
9.	Payment Terms	Payments shall be made to the Seller within 90 days of (PRC) after issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills.  For Micro/ small & Medium (covered under MSME Act), payment will be made within 45 days & 60 days respectively from PRC after issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills.  Bidders to provide MSME / UDYAM certificate for payment schedule finalization.	
10.	Document submission for approval from BHEL	Drawings/Data sheets/Documents/Type Test/ Quality Plan etc. as called for in the specifications shall be submitted for approval to BHEL for BHEL/customer approval within 10 days of purchase order. Approved documents/QP are to be followed by the supplier without any price implication. Any delay in delivery on account of late submission of drawings/data sheets/QAP/documents shall be to vendors account. BHEL will arrange the approval of the drawings/data sheets/ documents within 10 days of their receipt provided those are complete in all respect. Delays in approval shall be dealt on merit basis.	
11.	Quality Requirements	<ol> <li>Inspection will be done by BHEL/ BHEL TPIA 'M/s Intertek as per BHEL approved quality plan.</li> <li>Bidders to endorse the attached QP "QA/BE/QP/304 &amp; QA/BE/QP/305".</li> <li>Make for BOI components of DC starter &amp; GIC shall be as per BHEL approved documents only.</li> </ol>	
12.	MDCC clause	Material shall be dispatched only after issue of material dispatch clearance certificate (MDCC) by BHEL. All test certificates and relevant documents are to be sent to BHEL before dispatch of material for issue of MDCC, which will be issued after review of test certificates etc. MDCC will be issued within 07 days of receipt of these documents once found complete in all respects. In case of any delay on account of BHEL in issuing MDCC, delivery shall be extended by no. of days in excess of 7 days taken by BHEL in issuing MDCC and delays shall be dealt on merit basis.  Material is to dispatched within 07 days of receipt of MDCC from BHEL without waiting for PO amendment.	
13.	Guarantee	Kindly confirm that all equipment shall be guaranteed for a minimum period of 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier.  Please note that offers with guarantee period lesser than above mentioned guarantee period may result in rejection of the offer.	
14.	Manufacturing clearance	In case of ordering, vendor has to take manufacturing clearance from BHEL before starting manufacturing of material. No manufacturing is to be started without getting clearance from BHEL. Kindly confirm.	
15.	Manufacturing Period	Kindly quote your minimum <b>delivery period in no. of weeks/months</b> From the date of Manufacturing Clearance	
16.	Liquidated Damages	If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.  The date of LR (dispatch date) would be treated as the date of delivery for penalty purposes.	

17.	Arbitration:	In case of any dispute arising out of as in connection with this contract, the same shall	
17.	Arbitration.	be referred to arbitration under Arbitration & Conciliation Act 1996 of a sole arbitrator	
		who shall be appointed by mutual consent of the parties. The seat & venue of	
		arbitration shall be Haridwar.	
		The proceedings shall be conducted in English. The Governing law of contract shall be	
		the substantive law of India.	
18.	Risk Purchase:	In case of abnormal delays (beyond the maximum late delivery period as per Penalty	
		clause) in supplies /defective supplies or non-fulfillment of any other terms and	
		conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part	
		thereof, and may also make the purchase of such material from elsewhere /alternative	
		source at the risk and cost of the supplier. BHEL will take all reasonable steps to get	
		the material from alternate source at optimum cost. If bidder does not agree to the	
		above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for	
		compelling reasons BHEL accepts the offer without acceptance of this clause by the	
		bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per	
		BHEL extant rules. This will be without prejudice to any other right of BHEL under the	
		contract.	
19.	Firm prices	Price will remain firm and fixed during entire execution of tender/supply.	
20.	BID to RA	Bid to RA will be conducted as per GeM GTC clause (4-XIII-u-2).	
21.	Action against	In order to protect the commercial interests of BHEL, BHEL shall take action against supplies /	
	Bidders	contractors by way of suspension of business dealings, who either fail to perform or are in	
	Bladel3	default without any reasonable cause, cause loss of business/ money/ reputation, indulge in	
		malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to	
		influence the bidding process or influence the price etc.	
		Suspension of Business Dealings could be in the form of "Hold" or "Banning" a supplier/	
		contractor or a bidder and shall be as per "Guidelines for Suspension of Business Dealings with Suppliers/ Contractors" available at BHEL's website "https://www.bhel.com/guidelines-	
		suspension-business-dealings- supplierscontractors"	
22.		Contact details of your representative: Mobile no. & Email id (minimum 2 person)	
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	Bidder Contact details	2.	
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#### **SPECIAL NOTE FOR BIDDERS:**

Following documents are an integral part of this tender enquiry and endorsed copies of these documents (duly signed and stamped on each page, as a token of acceptance) are to be uploaded along with offer on GeM procurement portal.

- 1. Please submit signed & Stamped copy (each page) of duly filled of confirmation column of "Buyers Specific Terms & Conditions (Annexure-A)" and its clause wise supporting documents where required.
- 2. Please submit signed & stamped copy (each page) of PQR documents with proper filled information and related supporting documents as mentioned in PQR.
- 3. In case of blank endorsement of ATC & PQR, will be considered as deemed accepted
- **4.** Please submit signed & stamped copy (each page) of FCA documents at <a href="mailto:adesh@bhel.in">adesh@bhel.in</a> or <a href="mailto:sagargupta@bhel.in">sagargupta@bhel.in</a> for obtaining BHEL specifications and drawing from BHEL for subject NIT with proper filled information and related supporting documents as mentioned in FCA. BHEL –HEEP registered PMD vendors for the items of this enquiry will not require to provide signed FCA to get the confidential drawings/specifications.
- **5.** Please submit endorsed copy of SQP QA/BE/QP/304 & QA/BE/QP/305
- **6.** Requisite EMD as per above mentioned details.
- 7. Please submit self-declaration of MII class certificate.

# PRE QUALIFICATION REQUIREMENT (PQR) FOR DC Starters & GIC

Dt: 13-04-2023

- A. Application: DC.JOP, DC.EOP, DC.SOP are required for starting of DC Compound Motors in power plant for pumping oil. DC Starter panel houses various power devices such as line contactor, thermal overload relay, switch Disconnector unit, fuses, shunt & ammeter, signalling lamps etc. for reliable operational start of the DC pump motor. GIC comprises of Power Supply Unit, safety barrier, Level controllers etc.
- C. Items: as per following list: -

(1) DC.JOP- DC Jacking Oil Pump Starter Panel

(2) DC.EOP- DC Emergency Oil Pump Starter Panel

(3) DC.SOP- DC Seal Oil Pump Starter Panel

(4) Generator Inst Cabinet (GIC)

Material code W96415210475

Material code W96415209736

Material code W96415210610

Material code W96415209728

#### POR points: -

- (a) Bidder shall be regular supplier of Power Distribution Board/ MCC. In support BIDDER to provide PO(s) copy for supply of total 15 nos. or more panels in last 5 years from Date of Enquiry.
- (b) Bidder must have supplied PDB/ MCC with at least 2 modules of motor starter with motor current 150A or more. Bidder to provide supporting document.
- (c) Bidder shall be able to supply all Items i.e. DC Starters and GIC. Bidder to confirm (BOM and schematic of all panels is provided by BHEL along with the enquiry)
- (d) In DC.JOP starter vendor shall be required to mount Double pole 600A, DC contactor (weight 24 kg approx.). Vendor to note and confirm.
- (e) Bidder shall have facility for HV (upto 2kV) and IR for 220V DC starter testing. Bidder to confirm.
- (f) Bidder shall be able to produce IP54 Type test certificate of bare cabinet on placement of order. Bidder to confirm.

Note: Bidder to confirm specific compliance wherever asked. BHEL reserves the right to verify information submitted by Bidder. In case the information is found false/incorrect/incomplete, the offer shall be rejected.

Mayuri Katiyar (Dy. Manager/CIE)

Rajnish Gupta

(AGM /CIE)

#### Framework Confidentiality Agreement cum Undertaking

This Agreement made on this the	day of (month)	20	
("Effective Date") by and between			
M/s BHARAT HEAVY ELECTRICALS LIMITED	, having registered	office at "BH	EL
House", Siri Fort, New Delhi - 110049 (India), a	ecting through its _	U	nit
(hereinafter may be referred to as "BHEL" or "the Con	npany").		
And			
M/s(add	ress)		
represented by authorized representative Sri		(herein af	ter
referred to as the "Supplier").			

The Supplier and the Company may, unless the context otherwise requires, hereinafter be collectively referred to as "Parties" or singly as the "Party".

#### RECITALS

Whereas, BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning and servicing of a wide range of products, systems and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable energy, Oil & Gas and Defence and providing associated services to varied customers in relation to which BHEL/its affiliates own valuable information of a secret and confidential nature

Whereas the Company may, in connection with Contract(s) (as defined hereunder) placed or to be placed upon the Supplier, or otherwise, from time to time, make available, Technical Information as is defined hereunder.

And Whereas BHEL is willing to provide such Technical Information to the Supplier from time to time and the Supplier understands and acknowledges that such Technical Information is valuable for the Company and as such is willing to protect confidentiality of such information, subject to the terms and conditions set out hereunder.

Now therefore, in view of the foregoing premises and in consideration of the mutual covenants and agreements hereinafter set forth, the Parties agree as under:

#### 1. Definitions:

Unless the context so requires, in this Agreement, the following terms will bear the meaning ascribed to the said term in this clause.

- A. "Contract" means the Contract entered into with a Supplier and includes a Purchase Order, or a Work Order for procurement of any goods or for provision of any services.
- B. "Effective Date" means the date of this Agreement as mentioned in the preamble of this Agreement.

- C. "Supplier" includes a Contractor or a Vendor of the Company whether for supplying of goods or for providing any services under a Contract or both.
- D. "Technical Information" includes Drawings, and/or Product Standards and/or Specifications and/or Corporate / Plant Specifications and/or Technological Process Sheets and/or Technical Data Sheets and/or Jigs & Fixtures and/or Pattern & Dies and/or Special Gauges and/or Tools etc. belonging to or wherein the Company has acquired from a third party a right of user and includes any improvement thereto from time to time whether carried out by the Company or by the Supplier.
- E. "Intended Purpose" means the purpose for which the Technical Information is provided to the Supplier under or in connection with a Contract.
- F. "Improvement" includes any modification made to, or adaptation of, the Technical Information which enhances or is calculated to enhance the performance (whether in terms of effectiveness or in terms of efficiency or both) of the product and/or the service to be provided by the Supplier under a Contract.
- 2. This Agreement shall come into force/deemed to have come into force, as the case may be, on the Effective Date; or, on the first date when the Technical Information or any part thereof is provided by BHEL to the Supplier; whichever is earlier.
- 3. Agreement deemed to be incorporated in each Contract: Unless and to the extent otherwise stipulated in the Contract, the conditions of this Agreement are deemed to be incorporated in all Contracts which may be entered into between the Company and the Supplier. Further, unless otherwise stipulated, the obligations under this Agreement are and will be independent of the obligations under the Contracts and such obligations of the Supplier hereunder will remain of full effect and validity notwithstanding that the period of validity of the Contracts has expired by efflux of time stipulated therein; or, the contract has been discharged by performance or breach; or, the termination of the Contracts for any reason whatsoever.

#### 4. Ownership:

- 4.1 The Company may, from time to time, make available to the Supplier, Technical Information on a non-exclusive basis by way of loan.
- 4.2 The Supplier acknowledges and agrees that all Technical Information and copies thereof that are or may be provided by the Company to the Supplier, are and shall remain the property of BHEL or that of the concerned entity from whom BHEL has obtained the Technical Information and such Technical Information are and shall constitute trade secrets of the BHEL. Nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any patent, copyright or design or any other intellectual property rights of whatsoever description that subsists or may hereinafter exist in the Technical Information. Furthermore, nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any license or rights of use of such patent, copyright or design or any other

intellectual property rights of whatsoever description which may now or hereafter exist in the Technical Information except for use of the Technical Information strictly in accordance with this Agreement and the Contract and/or as directed in writing by the Company, solely for the Intended Purpose under the Contract.

- 4.3 Neither Party is obligated by or under this Agreement to purchase from or provide to the other Party any service or product and that any such purchase/sale of any product and/or service by one Party to the other Party will be governed by the Contract if any, that may be entered into by and between the Company and the Supplier.
- 4.4 The Supplier is/has been made well aware and acknowledges that the Technical Information being/which may be shared with it by the Company has been either generated by the Company by incurring huge investment and cost or obtained from foreign collaborators under Technical Collaboration Agreement (TCA) with stringent confidentiality conditions.
- 4.5 The Supplier agrees and undertakes to adhere to confidentiality requirements as applicable to BHEL under a TCA and also ensure that the confidentiality requirements are adhered to by all its concerned employees or sub-contractors/suppliers (where permitted to be engaged by BHEL). Any damages, losses, expenses of any description whatsoever, arising out of or in connection with a breach of the confidentiality requirements under a TCA owing to any act or omission on the part of the Supplier or its employees or sub-contractors/suppliers that is claimed by a foreign collaborator from the Company shall be wholly borne by the Supplier and it shall keep BHEL fully indemnified in this behalf. The demand by the Company shall be conclusive upon the Supplier who shall thereupon forthwith pay to the Company without demur, dispute or delay the amount as demanded without demanding any further proof thereof.
- 4.6 The Supplier agrees and undertakes that unless so decided and advised by the Company in writing all rights/title to any Improvement to the Technical Information shall vest in the Company. The Supplier undertakes and agrees to inform forthwith to the Company of any such Improvement made to the Technical Information and transfer all drawings/documents or other materials connected with such Improvement to the Company and also agrees to fully cooperate with the Company for protecting the Company's interests in such Improvement in the Technical Information including but not limited to obtaining necessary protection for the intellectual property rights in such improvement, if so desired by the Company. If a question arises whether a modification amounts to Improvement to the Technical Information, the same shall be decided by the Company and such decision shall be final and binding upon the Supplier.

#### 5. Use and Non-Disclosure:

5.1 Unless otherwise stipulated by the Company, all Technical Information made available to the Supplier, by the Company shall be treated as Confidential irrespective of whether the same is marked or otherwise denoted to be Confidential or not.

- 5.2 The Supplier undertakes and agrees that the Technical Information in its possession shall be held in strict confidence and will be used strictly in accordance with this Agreement and solely for the Intended Purpose under the Contract. Use of the Technical Information for any other purpose other than Intended Purpose is prohibited.
- 5.3 In particular, the Supplier shall not use Technical Information or any Improvement in its possession for the manufacture or procurement of the Product(s) or components or parts thereof or use the Technical Information or any portion thereof or any modification or adaptation thereof in any form to provide any product and/or service to any third party, without the prior written consent of the Company.
- 5.4 The Supplier shall not disclose any of such Technical Information to any third party without the prior written consent of the Company. The Supplier agrees that without prior written consent of the Company, the Supplier shall not disclose to a third party about the existence of this Agreement, or of the fact that it is/was in possession of or has experience in the use of any Technical Information nor shall the Supplier share in any manner whatsoever, with a third party, the name or details of any Contract(s) awarded by the Company to it or performed by the Supplier or the scope of work thereof or share any document or correspondence by and between the Company and the Supplier in or in connection with this Agreement or such Contract(s). Notwithstanding what is stated elsewhere, the overall responsibility of any breach of the confidentiality provisions under this Agreement shall rest with the Supplier.
- 5.5 The Supplier undertakes and agrees not to make copies or extracts of and not to disclose to others any or all of the Technical Information in its possession, except as follows:
  - (a) The Supplier may disclose the Technical Information to such of its officers and employees strictly to the extent as is necessary for such officer or employee for the Intended Purpose, provided that the Confidential Information (or copies thereof) disclosed shall be marked clearly as the confidential and proprietary information of Company and that such officers and employees shall similarly be bound by undertakings of confidence, restricted use and non-disclosure in respect of the Technical Information. The Supplier shall be responsible for any breach of such confidentiality provisions by such officers and employees.
  - (b) With the prior written consent of Company, the Supplier may disclose for the Intended Purpose such Technical Information as is provided for in such consent to such of its professional advisers: consultants, insurers and subcontractors who shall be similarly bound by undertakings of confidence, restricted use and non-disclosure in respect of such Technical Information.
  - (c) The Supplier shall not be prevented to make any disclosure required by (i) order of a court of competent jurisdiction or (ii) any competent regulatory authority or agency where such disclosure is required by law, provided that where the Supplier

intends to make such disclosure, it shall first consult Company and take all reasonable steps requested by it to minimize the extent of the Technical Information disclosed and to make such disclosure in confidence and also shall cooperate with the Company in seeking any protective order or any other remedy from proper authority in this matter.

#### 6. Exceptions:

The obligations of the Supplier pursuant to the provisions of this agreement shall not apply to any Confidential Information that:

- a) was/is known to, or in the possession of the Supplier prior to disclosure thereof by the Company;
- b) is or becomes publicly known, otherwise than as a result of a breach of this agreement by the Supplier.
- c) is developed independently of the Disclosing Party by the Supplier in circumstances that do not amount to a breach of the provisions of this Agreement or the Contract;
- d) is received from a third party in circumstances that do not result in a breach of the provisions of this Agreement.
- 7. The obligation of maintaining confidentiality of the Technical Information on each occasion, shall subsist for the entire duration during which the Technical Information / equipment is in possession of the Supplier and shall thereafter subsist for a further period of ---- years from the date when the complete Technical Information has been returned to the Company and if Technical Information has been returned in portions on different dates then, the period of ---- years will be reckoned from the date when the last portion of the Technical Information has been returned. Notwithstanding the expiry of the confidentiality obligation, the obligation of the Supplier under clause 5.4 shall continue to subsist for a further period of ----- years.

#### 8. Warranties & Undertakings:

- a) The Supplier undertakes to ensure the due observance of the undertakings of confidence, restricted use and non-disclosure by its persons to whom it discloses or releases copies or extracts of the Technical Information.
- b) The Supplier shall keep the Technical Information or improvement made therein properly segregated and not mix up the same with any other material/documents belonging to him/it or to any other third party.
- c) The Supplier further undertakes that he/it shall not hypothecate or give on lease or otherwise alienate or do away with any of the Technical Information and/or equipment of the Company, made available to him/it, and undertakes that he/it shall hold the same as a trustee, in capacity of custodian thereof and use/utilise the same solely for the purpose of executing the Contract awarded by the Company.
- d)The Supplier further undertakes that he/it shall return all the equipment and/or Technical Information as far as practicable in the same condition in which the same was made available to him/it by the Company together with any Improvement thereon and the documents connected with such Improvement, to the Company forthwith upon completion of the scope

of work or Contract for which such Technical Information was provided by the Company to it or as directed by the Company together with a confirmation by way of an affidavit or in such manner as directed by the Company that it has not retained any equipment and/or Technical Information/Improvement thereof. In case any such equipment and/or Technical Information or Improvement thereof shall remain in his possession or is not capable of being returned, the retention and use of such Technical Information or Improvement thereto shall continue to be governed by this Agreement.

- e) The Supplier undertakes to indemnify the Company for all the direct, indirect and/or consequential losses, damages, expenses whatsoever including any consequential loss of business, profits suffered by the Company owing to breach by the Supplier of its obligations under this Agreement and/or the confidentiality requirements, if any, contained in the Contract and that the Supplier hereby agrees that the decision of the Company in all such or any such matter/s shall be final and binding on the Supplier. On mere written demand of the Company, the Supplier shall forthwith and without demur or delay pay to the Company any such sum as determined by the Company as the amount of loss or damage or expense which has been suffered by the Company. The Supplier agrees that the Company shall be entitled to withhold and appropriate any amount payable to the Supplier under any Contract then existing between the Company and the Supplier, in case the Supplier fails to make payment, in terms of the written demand, within 7 days thereof. Without prejudice to the foregoing actions, in respect to any breach of this Agreement, the Company shall be entitled to take any other action against the Supplier as per applicable laws, the Contract, Company's applicable policies, guidelines rules, procedures, etc.
- **9.** Without prejudice to any other mode of recovery as may be available to the Company for recovery of the amount determined as due as per Clause 8(e) hereinabove, the Company shall have a right to withhold, recover and appropriate the amount due towards such losses, damages, expenses, from any amount due to the Supplier in respect of any other Contract (s) placed on him/it by any department/office/Unit/Division of the said Company.

#### 10. Arbitration & Conciliation:

a) In case amicable settlement is not reached between the Parties, in respect of any dispute or

difference or claim or controversy arising out of the formation, breach, termination, validity or execution of the Contract(or Agreement) or the respective rights and liabilities of the parties or in relation to interpretation of any provision of the Contract or in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference or controversy or claim, (except as to any matters, the decision of which is specifically provided for therein) to the sole arbitration by the arbitrator appointed by Head/In-Charge of the Unit/Division/Region.

- b) The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the parties to the dispute.
- c) Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India), or other statutory modifications or re enactments thereof and the rules made thereunder and for

the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be at ----- (Insert the name of the city/town of the concerned BHEL Unit/Division).

d) In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred to by either party to the arbitration of one of the arbitrators in the department of public enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the parties hereto finally and conclusively.

e) Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Supplier shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner.

#### 11. Governing Law & Jurisdiction:

This Agreement shall be governed by and be construed as per applicable Indian Laws in force at the relevant time.

Subject to clauses 10(a) and 10(d) hereinabove, all matters in connection with the subject agreement shall be subject to exclusive jurisdiction of Courts situated at -----(insert the name of the place where the BHEL Unit/Division is located)

**SIGNATURE** 

#### WITNESSES

1.

Name

Address:

2.

Name:

Address:

MANUFA	MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN									TO E	BE FILLED BY BHEL
बीएच ई एल	VENDOR'S NAME	ITEM	DC STAR	TER CAE	BINET	QP NO.	QA/BE/QP/	304						
						REV. NO.	03 Date: 0	1.10.2022						
вĦ	DRG. No. & Rev. As per P.O.													
BHEL		SPEC		TG60667										
		Rev.		As per P.O.			Page 1 of 1							
SL.	COMPONENT &	CHARA	CTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF	REFERENCE	ACCEPTAN	ICE FC	DRMAT OF	:	AGEN	CY	REMARKS
NO.	OPERATIONS					CHECK	DOCUMENT	NORMS	5 F	RECORDS	М	В	N	
1	2		3	4	5	6	7	8		9	D	10		11

1.0	RAW MATERIALS											
1.1	CRCA sheet, Electricals Fittings, Equipment/ Instruments & Wiring Materials,	Material properties	Major	Physical	100%	Appd. Drg	./Spec.		TC/ COC	Р	V	
2.0	IN PROCESS INSPECTION		•	•	•				•	•	'	
2.1	Fabrication & assembly of Weld Finish, Layout of Mounting of cabinet/panel Equipment & it's Make, Type and Ratings			Physical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.		Р		
3.0	FINAL INSPECTION											
3.1	Type test for degree of protection		Major	Electrical	-	Appd. Drg	./Spec.	Appd. Drg./Spec.	TC	V	V	 Note 3
3.2	Routine test											
3.2.1	Starter cabinet visual & dimensional checks: D with GA Drg., Waviness, Straightness, Perpendicular Control of the Control of t		Major	Measurem ent	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.2.2	2.2 Starter cabinet operation: Manual Operation for its Moving Parts, Interlocking /Door Interlocking of Items, Location of Labels/Ferrule, Inspection of Wiring with Proper Size/ Type/ Grade of Power & Control Cables, Terminal blocks, Continuity of Panel Wiring, illumination, antivibration pad, proper earthing bus, name plate etc.			Physical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.2.3	Starter cabinet components BOM (Make, type	, rating)	Major	Physical	100%	Appd. Drg	./Spec./BOM	Appd. Drg./Spec./BOM	IR	Р	W	
3.2.4	Paint shade & paint thickness		Major	Physical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.2.5	I.R. before and after H.V. Test		Major	Electrical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.2.6	H.V. Test		Major	Electrical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.2.7	Functional checking of cabinet's various compo devices, interlock, protection circuits, indication		Major	Electrical	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	IR	Р	W	
3.3	Compliance of technical requirements		Major	Visual	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.	COC	Р	W	
3.4	Recommended or mandatory spares (if applica	ıble)	Major	Visual		Appd. Drg		Appd. Drg./Spec.	IR	Р	W	
3.5	Identification and Marking		Major	Visual		Appd. Drg		Appd. Drg./Spec.	IR	Р	W	
3.6	Soundness of Packing against Transit Damage	9	Major	Visual	100%	Appd. Drg	./Spec.	Appd. Drg./Spec.		Р	V	

Note: 1. Witness by inspection agency to be random 10% of each material code (minimum 1 piece per material code) from each lot. However, vendor to carry out 100% tests internally and tests report shall be reviewed by inspection engineer during inspection at Vendor's works. 2. Manufacturer to maintain calibrated instruments having better accuracy than the item under the test. Inspection Engineer shall check the same. 3. Type tests clearance from BHEL Engg. to be verified (by inspection engineer) during inspection at vendor's works. 4. Vendor has to provide TC/IR mentioning above Q.P. clauses and also index/summary sheet for co-relation of TC/IR with QP clauses. TPIA to check the same.

	LEGEND: DRG: BHEL APPROVED DRAWING, APPD.: BHEL APPROVED, SPEC: SPECIFICATION, BOM: BILL OF MATERIAL, MTC: MATERIAL TEST CERTIFICATE, T.C.: TEST CERTIFICATE, I.R.: INSPECTION REPORTS, COC: CERTIFICATE OF CONFORMANCE, M: MANUFACTURER / SUBCONTRACTOR, B: BHEL /BHEL NOMINATED INSPECTION AGENCY, N: END CUSTOMER, 'P': PERFORM, 'W': WITNESS, 'V': VERIFICATION,		
MANUFACTURER/	"V" RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. ALL 'W' INDICATED IN		
SUBCONTRACTOR	COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE	APPROVED BY

MANUFAC	CTURER'S NAME AND ADDRESS				STANDARD Q	UALITY PLAN	TO BE FILLED BY BHE	L	ТО В	E FILLED BY BHEL		
	VENDOR'S NAME	ITEM	<b>GENERAT</b>	OR INS	TRUMENT	QP NO.	QA/BE/QP/	/305				
वा एवं ड एल <b>मिन्ना</b> स			<b>CABINET</b>			REV. NO.	00 Date: 0	1.10.2022				
		No. & Rev.	As per P.O.									
BHEL		SPEC	<b>)</b> .	TG60668								
	Rev.			As per P.O.			Page 1 of 1					
SL.	COMPONENT &	CHARA	CTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF	REFERENCE	ACCEPTAN	CE FORMAT (	)F	AGENCY	REMARKS
NO.	OPERATIONS					CHECK	DOCUMENT	NORMS	RECORDS	6 N	Л B N	
1	2		3	4	5	6	7	8	9	D	10	11

1.0	RAW MATERIALS												
	CRCA sheet, Electricals Fittings, Equipment/ Instruments & Wiring Materials,	Material properties	Major	Physical	100%	Appd. [	Org./Spec.		TC/ COC	Р	V		
2.0	IN PROCESS INSPECTION		•	-									
2.1	Fabrication & assembly of Weld Finish, Layout cabinet/panel Equipment & it's Ma	of Mounting of ke, Type and Ratings	Major	Physical	100%	Appd. [	Org./Spec.	Appd. Drg./Spec.		Р			
3.0	FINAL INSPECTION												
3.1	Type test for degree of protection		Major	Electrical	-	Appd. [	Drg./Spec.	Appd. Drg./Spec.	TC	V	V		Note 3
_	Routine test												
3.2.1	Cabinet visual & dimensional checks: Dimension Drg., Waviness, Straightness, Perpendicularity	Major	Measurem ent	100%	Appd. [	Org./Spec.	Appd. Drg./Spec.	IR	Р	W			
	Cabinet operation: Manual Operation for its Mo /Door Interlocking of Items, Location of Labels/ Wiring with Proper Size/ Type/ Grade of Power Terminal blocks, Continuity of Panel Wiring, illu pad, proper earthing bus, name plate etc.	Ferrule, Inspection of & Control Cables,	Major	Physical	100%	Appd. [	Org./Spec.	Appd. Drg./Spec.	IR	Р	W		
3.2.3	Cabinet components BOM (Make, type, rating)		Major	Physical	100%	Appd. [	Drg./Spec./BOM	Appd. Drg./Spec./BOM	IR	Р	W		
3.2.4	Paint shade & paint thickness		Major	Physical	100%	Appd. [	Org./Spec.	Appd. Drg./Spec.	IR	Р	W		
3.2.5	I.R. before and after H.V. Test		Major	Electrical	100%	Appd. [	Drg./Spec.	Appd. Drg./Spec.	IR	Р	W		
3.2.6	H.V. Test		Major	Electrical				Appd. Drg./Spec.	IR	Р	W		
	Functional checking of cabinet's various compodevices, interlock, protection circuits, indication		_	Electrical				· · · · · · · · · · · · · · · · · · ·	IR	Р	W	ŀ	
3.2.8	Functional checking of level switch with probe		Major	Electrical	100%	Appd. [	Org./Spec.	Appd. Drg./Spec.	IR	Р	W		
3.3	Compliance of technical requirements		Major	Visual	100%	Appd. [	Drg./Spec.	Appd. Drg./Spec.	COC	Р	W		
3.4	Recommended or mandatory spares (if applica	ble)	Major	Visual	100%	Appd. [	Drg./Spec.	Appd. Drg./Spec.	IR	Р	W		
3.5	Identification and Marking		Major	Visual				Appd. Drg./Spec.	IR	Р	W		
3.6	Soundness of Packing against Transit Damage	)	Major	Visual	100%	Appd. [		Appd. Drg./Spec.		Р	V		

Note: 1. Witness by inspection agency to be random 10% of each material code (minimum 1 piece per material code) from each lot. However, vendor to carry out 100% tests internally and tests report shall be reviewed by inspection engineer during inspection at Vendor's works. 2. Manufacturer to maintain calibrated instruments having better accuracy than the item under the test. Inspection Engineer shall check the same. 3. Type tests clearance from BHEL Engg. to be verified (by inspection engineer) during inspection at vendor's works. 4. Vendor has to provide TC/IR mentioning above Q.P. clauses and also index/summary sheet for co-relation of TC/IR with QP clauses. TPIA to check the same.

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	CERTIFICATE, T.C.: TEST CERTIFICATE, I.R.: INSPECTION REPORTS, COC: CERTIFICATE OF CONFORMANCE, M: MANUFACTURER /		
	SUBCONTRACTOR, B: BHEL /BHEL NOMINATED INSPECTION AGENCY, N: END CUSTOMER, 'P': PERFORM, 'W': WITNESS, 'V': VERIFICATION,		
MANUFACTURER/	"√" RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. ALL 'W' INDICATED IN		
SUBCONTRACTOR	COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE	APPROVED BY