#### Pre-Qualification Requirements (PWR) for On Line Partial Discharge Monitoring System (PDMS) Material code no. W90415201241, W90415201071 & W90415201217

Purpose of System: Used in Power plant applications for measuring partial discharge in Gen stator winding.

- Bidder shall be manufacturer or authorized supplier of On Line Partial Discharge Monitoring System (PDMS). Letter of authorization or suitable documents shall be submitted for the same.
- 2) The Vendor shall have supplied above system for at least two Turbo-Generators with output terminal Voltage of at least 21KV. The system must be working for one year to the satisfaction of end customer.

In support of above, Customer satisfaction letter from at least one end customer or 'Installation and commissioning' report of at least two installations should be provided by Vendor. The report shall not be older than last 7 years from date of enquiry.

OR

Successful execution of at least one order for BHEL Haridwar for On Line Partial Discharge Monitoring System (PDMS) within last 7 years from date of enquiry.

- System should be suitable to work under high magnetic fields and high voltage area.
- 4) Data sheet / Specification sheet for field sensor (capacitive coupler) and main monitoring system to be submitted for BHEL review.
- 5) The maximum PD level shall not be more than 5pC at 25KV rms. Coupling capacitor should be tested at minimum 60KV AC rms for 1 min. Vendor to confirm.
- Coupling capacitor values should be either 80pF or 1.0 nF.
- Bandwidth of PDMS range shall be serval MHz
- PDMS monitoring system resolution should be 0.5 deg or better.

Notes: -

1) Vendor to furnish their complete reference / experience list for our review.

2) BHEL reserves the right to verify information submitted by vendor. In case the information is found false/ incorrect, the offer shall be rejected.

Prepared b

Sr.Engr/CIE

Pallu Singh 0810

Approved by

Saluh 08/07/25 Shri Satish Kumar

Sr.DGM / CIE

#### **BUYERS SPECIFIC ADDITIONAL TERMS & CONDITIONS**

**ITEM NAME:** ONLINE CONTINUOUS PARTIAL DISCHARGE MONITORING SYSTEM ALONG WITH DESK TOP COMPUTER AND COLOUR PRINTER AND INSTALLATION AND COMMISSIONING

PROJECTS: ADANI RAIGARH, RAIPUR, MIRZAPUR, KAWAI PH-II & KORBA I PH-III & MAHAN PH-III

#### 1. SCOPE OF ENQUIRY:

E-bids on GeM portal are invited from bidders for the supply of : ONLINE CONTINUOUS PARTIAL DISCHARGE MONITORING SYSTEM ALONG WITH DESK TOP COMPUTER AND COLOUR PRINTER AND INSTALLATION AND COMMISSIONING for ADANI RAIGARH, RAIPUR, MIRZAPUR, KAWAI PH-II & KORBA PH-III & MAHAN PH-III as per requirement mentioned below:

ITEM- NO	MATERIAL CODE & ITEM DESCRIPTION	QTY.	UNIT	PROJECT	DATE FOR SUPPLY COMPLETION
		1	SET	RAIPUR U-1	03.08.2026
		1	SET	RAIPUR U-2	03.11.2026
		1	SET	RAIGARH U-1	30.03.2027
	W90415201241	1	SET	RAIGARH U-2	30.09.2027
	ONLINE CONTINUOUS PARTIAL	1	SET	MIRZAPUR U-1	30.08.2027
	DISCHARGE MONITORING	1	SET	MIRZAPUR U-2	01.03.2028
4	SYSTEM, SYSTEM CONTROLLERS,	1	SET	MAHAN PH-III, U-1	30.01.2028
1	DATA ACQUISITION UNIT, SOFTWARE AND ALL TYPES	1	SET	MAHAN PH-III, U-2	30.07.2028
	OF SPECIAL CABLES,	1	SET	KORBA PH-III, U-1	30.04.2028
	NETWORK ARRANGEMENT, ASSEMBLIES.	1	SET	KORBA PH-III, U-2	30.10.2028
	SPEC: TG60554 REV: 05	1	SET	KAWAI PH-II, U-1	28.05.2028
		1	SET	KAWAI PH-II, U-2	28.11.2028
	Total qty	12	SET		
		1	SET	RAIPUR U-1	03.08.2026
		1	SET	RAIPUR U-2	03.11.2026
		1	SET	RAIGARH U-1	30.03.2027
		1	SET	RAIGARH U-2	30.09.2027
	W90415201071	1	SET	MIRZAPUR U-1	30.08.2027
2	DRG: - REV:00 DESK TOP COMPUTER AND	1	SET	MIRZAPUR U-2	01.03.2028
	COLOUR PRINTER	1	SET	KAWAI PH-II, U-1	30.01.2028
	SPEC: TG60554 REV: 05	1	SET	KAWAI PH-II, U-2	30.07.2028
		1	SET	KORBA PH-III, U-1	30.04.2028
		1	SET	KORBA PH-III, U-2	30.10.2028
		1	SET	MAHAN PH-III, U-1	28.05.2028
		1	SET	MAHAN PH-III, U-2	28.11.2028
	Total qty	12	SET		
3	W90415201217	1	No	RAIPUR U-1	03.08.2026

INSTALLATION AND	1	No	RAIPUR U-2	03.11.2026
COMMISSIONING OF CONTINUOUS ONLINE PD	1	No	RAIGARH U-1	30.03.2027
SYSTEM INCLUDING CALIBRATION SERVICES	1	No	RAIGARH U-2	30.09.2027
CALIBRATION SERVICES	1	No	MIRZAPUR U-1	30.08.2027
	1	No	MIRZAPUR U-2	01.03.2028
	1	No	KAWAI PH-II, U-1	30.01.2028
	1	No	KAWAI PH-II, U-2	30.07.2028
	1	No	KORBA PH-III, U-1	30.04.2028
	1	No	KORBA PH-III, U-2	30.10.2028
	1	No	MAHAN PH-III, U-1	28.05.2028
	1	No	MAHAN PH-III, U-2	28.11.2028
Total qty	12	No		

#### 2. Project Detail:

1.Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW RAIGARH PROJECT
Consignee Address	Adani Power Limited, Village: Chhote Bhandar, PO: Bade Bhandar, Tehsil: Pussore Raigarh 496100, Chhattisgarh
2.Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW RAIPUR PROJECT
Consignee Address	Adani Power Limited Village: Raikheda Block: Tilda, Raipur 493225 Chhattisgarh
3. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW MIRZAPUR PROJECT
Consignee Address	Mirzapur Thermal Energy (UP) Private Limited Village: Dadri Khurd; PO: Darhi Ram Tehsil: Sadar, District: Mirzapur 231 304 Uttar Pradesh
4. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW KAWAI PH-II PROJECT
Consignee Address	Adani Power limited, Kawai, 2 x 800 MW(Phase-II) Thermal Power project, Village - Kawai, Tehsil - Atru, Baran -District, Rajasthan Pin-325219
5. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW KORBA PH-III PROJECT

Consignee Address	KORBA POWER LIMITED  2x800 MW Phase-III,  Ultra-Supercritical Thermal Power Project  Village: Pathadi,  District: Korba  State: Chhattisgarh  Pin Code — 495674 KORBA POWER LIMITED
6. Project Name  Consignee Address	ITEMS TO BESPACHED DIRECTLY TO 2X800 MW MAHAN PH-III PROJECT  Mahan Energen Limited. 2x800 MW (Phase-III) Thermal Power Project Village: Bandhaura, Karsulal Tehsil: Waidhan, District. Singrauli-486886 (Madhya Pradesh)

#### 3. EARNEST MONEY DEPOSIT (EMD):

All interested vendors must submit their e-bid along with the proof of submission of following Earnest Money Deposit (EMD) details in GeM portal along with offer EMD is applicable to all the bidders irrespective of PMD bidders/GeM provisions.

Details	Amount In INR	Туре
EMD	INR 6,00,000/- (Six lakhs only)	Refundable

#### 3.1: Modes of deposit: The EMD may be accepted only in the following forms:

- (i) Electronic Fund Transfer credited in BHEL account (before tender opening).
- (ii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer).
- (iii) Fixed Deposit Receipt (FDR).
- (iv) Bank Guarantee from any of the Scheduled Banks.
- (v) Insurance Surety Bonds.
- (vi) The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period as asked in NIT.

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, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, INDIA PIN CODE: 249403	SWIFT NO : SBININBB225 CC ACCOUNT NO : 10667995458 IFSC CODE : SBIN0000586	Contact No. +91 1334 224201 +91 1334 226125 Fax: +91 1334 226512

#### 3.2: Exemption of EMD

As per GeM GTC following are the exempted category of EMD/Bid Security.

a. Micro and Small Enterprises (MSEs) who are holding valid Udyam Registration and are manufacturer of the offered Productor Service (Primary Product / Service - in case of bunch bid with total value wise evaluation) and give specific confirmation to this effect at the time of bid submission and claim EMD exemption and whose credentials are validated online through Udyam Registration website of Ministry of MSME and also through supporting document uploaded during bidding process and validated by the Buyer. State Government Buyers may, however, choose to exempt only MSEs from the State of Bid Inviting Authority by specifying the same in ATC of the Bid. In case no such ATC is included, eligible MSEs of all states are exempted.

- **b.** Start-ups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT), holding valid Start-up Recognition Certificate which is to be uploaded while bidding and claiming EMD exemption and to be validated by the Buyer. Bidder to ensure that turnover for any of the financial years has not exceeded beyond limits prescribed in the certificate / Start Up scheme of DPIIT.
- c. KVIC, ACASH, WDO, Coir Board, TRIFED and Kendriya Bhandar.
- **d.** Sellers who have got their credentials verified through the process of Vendor Assessment by Vendor Assessment Agencies for the Primary Product / Primary Service for which Bid / RA has been invited and holding valid Vendor Assessment or Vendor Assessment Exemption Report / confirmation (Seller to upload VA report / VAE confirmation to be validated by the Buyer).
- **e.** Sellers / Service Provider having annual turnover of INR 500 Crore or more, at least in one of the past three completed financial year(s)
- **f.** Sellers / Service Providers holding valid BIS License for the Primary Product Category whose credentials are validated through BIS database and through uploaded supporting documents to be validated by the buyer.
- **g.** Central / State PSUs.
- **h.** In addition to above GeM conditions, offers directly from the manufacturer or their authorized agents are also exempted from submission of EMD.

#### 3.3: Forfeiture of EMD:

- **a.** A bidder's EMD will be forfeited if the bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required performance security within the specified period mentioned in the Tender.
- **b.** EMD by the tenderer to be withheld in case any action on the bidder is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines.
- c. Bid securities of the unsuccessful bidders shall be returned to them after expiry of the final bid validity period / latest by the 30th day after the award of the contract. Since it is a two-part bidding, bid securities of unsuccessful bidders during first stage i.e. technical evaluation shall be returned within 30 days of declaration of result of first stage i.e. technical evaluation.
- d. Bid security/EMD of the successful bidder shall be returned only on conclusion of the order and receipt of a Performance Security/Performance Bank Guarantee of 5% of contract value (excluding taxes) from contractor / Supplier.
- e. EMD/PBG/PS shall not carry any interest.

#### 4. PERFORMANCE SECURITY/PERFORMANCE BANK GUARANTEE:

Successful bidder to submit Performance Security/Performance Bank Guarantee of 5% of the contract Value (Excluding Taxes). The Performance Security/PBG shall be submitted within 30 days of notification of the award of Contract and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

PS/PBG shall be returned to the contractor without interest, after the contractor duly performs and completes the contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the contract. The Performance Security/PBG shall not carry any interest.

- **4.1 Modes of deposit of PS/ PBG**: Performance Security/Performance Bank Guarantee shall be furnished in the following forms:
  - I. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/Demand Draft/ Electronic Fund Transfer in favour of BHEL.
  - II. Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
  - III. Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL).
- IV. Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL).
- V. Insurance Surety Bond.

(Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)

#### **4.2: Forfeiture of Performance Security/Performance Bank Guarantee:**

he Performance Security/ Performance Bank Guarantee will be forfeited and credited to BHEL's account in the event of a breach of contract by the supplier.

#### 5.BUYERS SPECIFIC ADDITIONAL TERMS & CONDITIONS IN ADDITION TO GTC

SI. No.	Terms	Description	Supplier confirmation
1.	Documents Checklist:	Please submit signed and stamped copy of your offer on each page along with following documents;  Buyer Specific T&C.  Technical PQR & its supportive document.  Technical drawing & purchase specification.  Quality plan.  Certificate/self-certification for minimum local content as per PPP-MII order.	
2.	Compliance of GTC on GeM	General Terms and Conditions on GeM 4.0 GeM 4.0 (Version 1.24) Dtd 05.05.2025 or it's latest revision of GeM portal shall be applicable against this enquiry. Kindly confirm to compliance the same for this tender.	
3.	Pre- Qualification Requirements	The Pre-Qualification Requirements have been compiled. 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.	Make in India Clause	As per Circular No. 07 of 2024-25 dated 05/12/2024, Following is proposed to be mentioned in the tender documents:  "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), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the 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"	

			are required to submit certificate of Minimum ke In India Declaration Certificate of the tender	
		(copy attached).		
5.	Compliance of Rule 144 (xi) of GFR 2017	Compliance of Restrictions under Ru	lle 144 (xi) of GFR 2017 shall be as per GeM.	
6.	Bid validity/ Validity of offer	Please note that validity of the offer Techno-Commercial bid (Part-I bid)	er shall be 180 days from the date opening of on GeM portal.	
		Offer of bidder's having validity lesconfirm.	ss than 180 days shall liable to reject. Please	
		The required validity is considering t	that offer is complete & clear w.r.t. PQR and all	
		techno-commercial conditions. Ven	dors need to extend their offer validity for the	
		,	BHEL's comments/clarification sought during	
		The state of the s	offer. In case regret by any bidder for such	
_	Disco / Doctor of	validity extension, their offer shall li	•	
7.	Prices/Basis of	•	ms shall remain firm and fixed at any point of	
	Quotation	time and shall be indicated in INR fo	of packing, forwarding, Freight & GST for Total	
		quantity on GeM portal.	or packing, forwarding, freight & dor for fotal	
			anged by BHEL. Please quote your prices	
		accordingly.		
		•	Ex-Works with freight Pre-paid up to project	
		_	t be dispatched through any Bank approved	
		,	at Haridwar. The names and addresses of well as BHEL are posted at our website	
			nat, if you dispatch the material by any BHEL	
			will necessarily be required to furnish the MRC	
			respective Project Site for processing of your	
		invoice. No demurrage charges wou	ld be borne by BHEL.	
8.	Loading and	Vandar's scape will not sover Loadi	ng & Unloading at Final destination of delivery.	
0.	unloading	Unloading at final destination (i.e. B		
	umouumg	•	intermediate places due to any permitted	
		transhipment will be the responsibil		
9.	Evaluation	Evaluation will be done on the b	asis of total landed cost to BHEL, taking all	
	criteria	9	cost involved for delivery up to BHEL project	
		sites (considering material cost, tax site).	tes & duties and Freight charges up to Project	
10.	Evaluation	The evaluation currency for this ten	der shall be INR.	
44	Currency	For Mondon Woods 201241 0 Woods	201071	
11.	Payment	For Mcodes W90415201241 & W90415	2010/1 -	
	terms:		ceipt of Material at BHEL respective project	
		site, within no. of days as defined in Material at site (i.e. MRC date).	the below table from the date of receipt of	
		iviaterial at site (i.e. ivii to date).		
		Type of Bidder	Payment Terms (Number of Days)	
		Micro & Small Enterprises (MSEs)	45 days	
		Medium Enterprises	60 days	
		Non MSME	90 days	
		The Payment terms are subject	to receipt of non-discrepant document from	

		supplier.	
		- Cappinon	
		For Mcode W90415201217 -	
		100% payment against submission of Successful Commissioning or	
		installation Certificate/Time Sheet/MOM signed by Project authorities	
		along with Invoice direct to BHEL.	
12.	GeM charges	GeM charges if any shall be either side only i.e. buyer's GeM charges shall be in	
		buyer's account and seller's GeM charges shall be on seller's account. Please	
		confirm.	
13.	Contract	Bidder's are advised to read GeM related query & clarification carefully on GeM	
	execution	portal. Order shall be executed through GeM.	
14.	<b>Delivery Period</b>	Please note that BHEL's Delivery requirements are mentioned in point no 1 of	
		above.	
		Early delivery w.r.t. above lot delivery will be accepted only after written	
		confirmation from BHEL. BHEL reserve right to reject early delivery request of	
		bidders / suppliers.	
		Delivery period indicated in GeM bid is only indicative and final delivery of tender	
		shall be taken as mentioned above.	
		Accordingly bidders to confirm the above deliveries or quote their best possible	
		delivery in no of months / weeks from the date of placement of Purchase order,	
		including all activities like document approval, inspection by TPI time etc.	
15.	Technical	Technical documents/ drawings required with the offer	
	Requirements	THE VENDOR TO ENSURE COMPLETENESS OF THEIR OFFER AS PER BHEL SPEC NO	
		TG60554 REV.05	
16.	Technical	Drawings/Data sheets/documents/QAP etc. as called for in the specifications shall	
	Document/	be submitted by Vendor for BHEL/ Customer approval within 30 days of purchase	
	Drawing	order. BHEL shall approve these drawings/data sheets/ documents / QAP etc.	
	approval	within 30 days of receipt.	
	conditions	Any comments on the documents shall be given by BHEL within 7 days of	
		submission and vendor shall submit revised document / reply to comments, within	
		7 days of BHEL comments. However, total time for Document approval submission	
		and approval shall not exceed 30 days for respective party.	
		Delivery is from the date of PO, accordingly, delay in submission / revision of the	
		documents by the vendor will automatically account for to vendor. In case of delay	
		on account of BHEL in comments / approval of the documents, the delivery shall	
		be re-scheduled by the no of days taken by BHEL in excess to 30 days. For delay	
		analysis cumulative no of days (including time taken in comments), shall be	
		considered for delivery extension.	
4-	On and the co	Windly confirms that in the great of and other OOAA was a little of the confirmation o	
17.	Operation &	Kindly confirm that in the event of ordering O&M manuals will be provided in 03 nos. of Hard Copies and 03 CD ROMs/pen drive to BHEL Haridwar for each project covered	
	Maintenance	in the tender.	
40	Manual		
18.	Guarantee	Guarantee shall be 24 months from the date of commissioning of the equipment .	
	period	In case of any failure or trouble reported from site, the symplicy chariled denote their	
		In case of any failure or trouble reported from site, the supplier should depute their representative immediately to attend the problem and replace the defective	
		component/part if required, without any additional cost to BHEL.	
		domponenty part in required, without any additional cost to brile.	
		BHEL reserve the rights to reject the offers having lesser guarantee period as	
		mentioned above.	
19.	Reverse	RA shall be done on GeM portal as per the guidelines & logics enabled on GeM	
	Auction	portal.	
20.	Liquidated	Liquidated Damages shall be lot wise as per clause no. 15 (iii) of General terms and	
		1 - 4 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 2	<u> </u>

n	Damages (LD)	conditions on GeM 4.0 (Version 1.25) as under: ki	ndly confirm			
	for late	"If the Seller/Service Provider fails to deliver any or all of the Goods/Services				
	delivery	within the original/re-fixed delivery period(s) spe	· ·			
	•	will be entitled to deduct/recover the Liquidated				
		covered under Force Majeure conditions aforesai	-			
		of delayed quantity per week or part of the w	veek of delayed period as pre-			
		estimated damages not exceeding 10% of the co	ntract value of delayed quantity			
		without any controversy/dispute of any sort whats				
		The date of LR would be treated as the date of del	, , , , ,			
21. N	MDCC clause	Please note that, material shall be dispatched only	, , ,			
		clearance certificate (MDCC) from end customer.				
		required to submit all test certificates (TC) and ins to BHEL. After review & acceptance of the quali-	, , , , ,			
		the same to end customer for issuance of MDCC.	ty document, Brief will forward			
		MDCC shall be issued within 7 days of receipt o	f complete quality documents /			
		TCs,. In case of delay in issuance of MDCC, only de				
		days taken by BHEL in excess to 7 days and all of	·			
		shall remains same & binding.				
		In case any material is dispatched without MD				
		Supplier/Vendor for any reason whatsoever, BHE	·			
		manner to compensate the supplier in this regard.				
		Kindly confirm.				
22. C	Order	Ink signed order acceptance shall be furnished with	thin 15 days of order placement.			
Δ	Acceptance :	In case, order acceptance do not received within	15 days of order placement, PO			
		deemed to be accepted by you.				
	Beneficiary of PO	Kindly confirm on whom the PO will be placed in the	he event of ordering.			
24. lı	Integrity Pact	(a) IP is a tool to ensure that activities				
		Company and its Bidders/ Contractors are had corruption free manner. Following Independe				
		the present panel have been appointed by BH	HEL with the approval of CVC to			
		oversee implementation of IP in BHEL.				
		[6]   1504				
		SI IEM	Email			
		<ol> <li>Shri Bishwamitra Pandey, IRAS (Retd.),</li> <li>Shri Mukesh Mittal IRS (Retd.),</li> </ol>	iem2@bhel.in iem3@bhel.in			
		2. Sili Makesii Mittai iks (Netu.),	<u>lems@brief.im</u>			
		(b) The IP as enclosed with the tender is to	o he submitted (duly signed by			
		authorized signatory) along with techno-comm				
		three-part bid). Only those bidders who have en	ntered into such an IP with BHEL			
		would be competent to participate in the biddi	ng. In other words, entering into			
		this Pact would be a preliminary qualification.	Decreasibilities of ITMs. In case			
		<ul> <li>(c) Please refer Section-8 of IP for Role and of any complaint arising out of the tendering</li> </ul>				
		referred to any of the above IEM(s). All corresp	<del>-</del> • • • • • • • • • • • • • • • • • • •			
		done through email only.				
		Note:	a the 1504 (about 1 most) and (1)			
		No routine correspondence shall be addressed to regarding the clarifications, time extensions or a				
			ily other administrative quelles,			
			•			
		etc. on the tender issued. All such clarification/issu the tender issuing (procurement) department's of provided below:	ues shall be addressed directly to			

		Mr. Sachin Gupta	Mr. Pankaj Kumar	
		Designation: Sr.Engineer (PPX-BOI)  4th Floor, Main Administrative Building,	Designation: Sr.Manager (PPX-BOI)  4 <sup>th</sup> Floor, Main Administrative Building,	
		HEEP, BHEL, Hardwar- 249403	HEEP, BHEL Hardwar- 249403	
		Uttarakhand, India	Uttarakhand, India	
		Tel: +91 1334 28 1690	Tel: +91 1334 28 1690	
25.	Dispatch	Following dispatch documents to be pro	vided immediately after directly dispatch	
	documents	to BHEL Project site for billing purpose:		
		Guarantee Certificates		
		E- Invoice and commercial inv		
		GeM invoice		
		<ul> <li>Original consignee copies of GR/LR/RR</li> </ul>	(Material shall be dispatched on door	
		delivery basis without consignee copy)		
		Packing list		
		HSN code to be mentioned in the invoi	ce	
		Original GST compliance certificate		
		<ul> <li>MRC/POD/Receipted LR/RR/GR copy (a</li> </ul>	as per proof of delivery of material at	
		BHEL Project site)		
26.	BREACH OF			
	CONTRACT,	The following shall amount to breach of	f contract:	
	REMEDIES AND	I Neg sweets of metacial/ neg seconds	tion of words by the Connice Mandan	
	TERMINATION:	I. Non-supply of material/ non-comple	· · · · · · · · · · · · · · · · · · ·	
		within scheduled delivery/ completion from time to time.	period as per contract or as extended	
		II. The Supplier/Vendor fails to perform	as nor the activity schedule and there	
		are sufficient reasons even before expi	· ·	
		to justify that supplies shall be inorg		
		delivery/ completion period.		
		III. The Supplier/Vendor delivers equip	ment/ material not of the contracted	
		quality.		
		IV. The Supplier/Vendor fails to replace	the defective equipment/ material/	
		component as per guarantee clause.		
		V. Withdrawal from or abandonment	of the work by the Supplier/Vendor	
		before completion as per contract.	of Control In the Control (Control	
		VI. Assignment, transfer, subletting of without BHEL's written permission res	* * * * * * * * * * * * * * * * * * * *	
		part thereof by BHEL.	suiting in termination of Contract of	
		VII. Non-compliance to any contractual	condition or any other default	
		attributable to Supplier/Vendor.	contained or any other derault	
		VIII. Any other reason(s) attributat	ole to Vendor towards failure of	
		performance of contract. In case of bro		
		right to terminate the Purchase Order	/ Contract either in whole or in part	
		thereof without any compensation to th	ne Supplier/Vendor.	
		IX. Any of the declarations furnished by	_	
		and/ or entering into the contract for	• • •	
		declarations were of a nature that c		
		contract to the contractor or could exp	pose BHEL and/ or Owner to adverse	
		consequences, financial or otherwise.	y offence involving corrupt business	
		X. Supplier/Vendor is convicted of an practices, antinational activities or any		
		business ethics of BHEL, in violation of	•	
		BHEL has the potential to harm the over		
		,	<i>'</i>	
		Note-Once BHEL considers that a breac	n of contract has occurred on the part	

of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

#### Remedies in case of Breach of Contract.

- i) Wherein the period as stipulated in the notice issued under above clause has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued.
- iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
- iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier/Vendor.
- v) If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
- a) from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract.
- b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
- vi) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- vii) It is an agreed term of contract that this amount shall be a genuine preestimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor

for the purpose of estimation of damages.

viii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

#### Note:

- 1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:
- (a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- (b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor.

# 27. Suspension of Business Dealings with Suppliers / Contractors:

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com. If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860( Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

http://www.bhel.com/vender registration/vender.php.

# 28. Settlement of Dispute, CONCILIATIO N & ARBITRATION

#### **Settlement of Dispute**

If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Officer / IEM for amicable resolution by the parties. Designated Officer / IEM who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not. If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per 'CONCILIATION' Clause.

#### **CONCILIATION:**

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party

(the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com).

Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

#### **ARBITRATION:**

Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; 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 (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.

A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Region, Power Sector/ Unit, BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.

After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions (shall be identified by the contract issuing agency) and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.

The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.

The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be at the court(s) of Haridwar.

Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and

arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Haridwar, shall have exclusive jurisdiction.

Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.

It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.

In case the disputed amount Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.

In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause mentioned above. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.

## 29. CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS

The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARIDWAR-249403 (UK) INDIA Page 3 of 3 manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorized distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate
- iv) A bidder participates in more than one bid in this tender process.

30.	MICRO AND SMALL ENTERPRISES (MSE):	Bidder as a partne versa) in more that which he is a part entity as a sub-crimdependently in him.  The Bidder declar aspects, and the least and undertundisclosed agree with other Bidder specifications, cersubmission of bid introduce cartelized found having induction a violation of the term of	r/ JV member or some one bid shall restry. However, this contractor in more is own name or as a contractor in more is own name or as a contractor in more is own name or as a contractor in they be ment or understance, in this regard extifications, subsides or any other act cation in the bid alged in above act tender conditions, ant policies/ guidelinder MSE category since/ Govt. Certifications.	sub contractor in a sult in the disqualification does not limit the than one bid if a member of a JV we read and under the such conflict of will not enter in anding, whether for this applies in paliary contracts, suitons to restrict cording process. In captivities, the same with and suitable action ines.  This is applied in paliary contracts, suitons to restrict cording process. In captivities, the same with and suitable action ines.	e participation of a mother bid or vice-cation of all bids in participation of an he is not bidding erstood the above of interest does not to any illegal or ormal or informal articular to prices, ibmission or non-mpetitiveness or to ase, the Bidder is ll be considered as an shall be taken by wing details & submit the same along with	
		Type under MSE  Micro Small	SC/ST owned	Women owned	Others (excluding SC/ ST & Women Owned)	
		that the bidder is no a) MSE sup procurements relate Services as enume 21(8)/2011-MA dtd. along with the offe reckoned for determ submission. Non-sul consideration of th applicable for this e the time of bid subr by BHEL for rendering	t falling under MSE oppliers can avail the do to the Goods and arated by Govt. of 09/11/2016 office of a treated copies of a t	rategory. The intended benefits of Services only (Define More of AS & DC, MSME) of AS & DC, MSME) of either Udyam Regulidity will be the lasting document in Gel th other bidders. Note that the required documents submitted by the bid efits.	processed construing s in respect of the inition of Goods and Memorandum F. No. only if they submit istration. Date to be date of Technical Bid M portal will lead to lo benefits shall be are not uploaded at dder shall be verified	
31.	JURISDICTION:	This contract shall be governed by the Law for the time being in force in the Republic of India. Subject to clause(s) mentioned above of this contract, the Civil Court having original Civil Jurisdiction at Haridwar shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.				
32.	Force Majeure	the parties to contra against the event be parties could not rea attributable to eithe Such circumstances	ict, b) either of the pefore entering into the sonably have avoided a rof the parties And include but shall not	arties could not reasone contract, c) havinged or overcome, and or perform be limited to: i) War,	d control of either of chably have provided grisen, either of the d) is not substantially nance of the contract, hostilities, invasion, currection, military or	

usurped power, or civil war. iii) Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and subcontractors. iv) Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors. v) Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity. vi) Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc. vii) Epidemic, pandemic etc. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, goslow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship. If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event. Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not i) Constitute a default or breach of the Contract. ii) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Maieure. BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure 33. Cartel The Bidder declares that they will not enter into any illegal or undisclosed **Formation** agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines. 34. Order In the event of any ambiguity or conflict between the Tender Documents, the Precedence: order of precedence shall be in the order below: a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL. b. Buyer Added Bid Specific ATC c. GeM Bid Technical Conditions of Contract (TCC) d. GeM GTC Kindly confirm that there is no deviation with respect to BHEL Specifications. Deviation: 35. However, if there is any deviation with respect to the tender documents then the any) same should be brought out specifically in separate annexure marked Deviations (Technical/Commercial).

36.	Quality	Kindly note that Testing & Certification is required as per BHEL ordering drawings,	
	Requirements	specification & documents & accordingly quality documents for applying MDCC to	
		BHEL.	
		Inspection charges will be borne by BHEL. All coordination with third party	
		inspection agency shall be done by the supplier only.	
		Inspection call to third party inspection agency may be raised	
		directly by the supplier; however 15 days are to be provided for deputation of	
		representative of third party inspection agency for inspection.	

#### **SPECIAL NOTE FOR BIDDERS:**

- a. In the event of our customer order covering this tender being cancelled /placed on hold /otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.
- b. BHEL may negotiate the L1 rate, if not meeting our budget / estimated cost. BHEL may re-float the tender opened, if L1 price is not acceptable to BHEL even after negotiation.
- c. Any change in applicable rates of Tax or any other statutory levies (Direct / Indirect) or any new introduction of any levy by means of statute and its corresponding liability for the deliveries beyond the agreed delivery date for reasons not attributable to BHEL will be to vendors account. BHEL will not reimburse the same and any subsequent claim in this respect will be summarily rejected.
- d. BHEL reserves its right to reject an offer due to unsatisfactory past performance by the respective Vendor in the execution of any contract to any BHEL project / Unit.
- e. The offers of the bidders who are under suspension and also the offers of the bidders, who engage the services of the banned firms /principal/agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.
- f. Recovery / deduction as applicable as per Direct and Indirect taxes as notified by Govt. Of India from time to time will be made and information/certificate for such deduction/recoveries shall be provided by BHEL to the vendor.
- g. If the delivery of supply as detailed above gets delayed beyond the delivery period, the Supplier/Vendor shall request for a delivery extension and BHEL at its discretion may extend the Contract. However, if any 'Delivery extension' is granted to the Supplier/Vendor for completion of supply, due to backlog attributable to the Supplier/Vendor, then it shall be without prejudice to the rights of BHEL to impose LD for the delays attributable to the Supplier/Vendor.
- h. In case BHEL increase the quantity during currency of the contract in line with quantity variation clause of GeM bid, delivery extension on pro-rata basis shall be given for supply of these additional quantity.

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 submitted/uploaded along with offer on GeM portal against this bid.

- 1. Please submit replica of Price schedule (without prices) showing "quoted" in place of price along with technocommercial bid (Part-I).
- **2.** Please submit signed & Stamped copy (each page) of duly filled of confirmation column of "Buyers Specific Additional Terms & Conditions (ATC)" and its clause wise supporting documents where required.
- **3.** Please submit signed & stamped copy (each page) for qualifying PQR with proper filled information and related supporting documents as mentioned in PQR.
- 4. Please submit certificate of Minimum local content as specified in the Make In India Certificate of the tender

TG 60554 उत्पाद मानक पुष्ठ Page PRODUCT STANDARD BASED ON: BHEL EXPERIENCE /IEEE 1434 / IEC 60034-27 SUPERSEDES INVENTORY NO. CONTINUOUS ON LINE PARTIAL DISCHARGE MONITORING SYSTEM FOR TURBOGENERATOR WINDING 1.0 APPLICATION: E The life of stator winding being a major factor in the life of the machine itself, condition RESP monitoring of HV electrical insulation becomes a critical measure of life expectancy. Insulation deterioration due to delamination, abrasion or swelling results in presence of voids in insulation system and result in partial discharge within the HV insulation, The information on this documents is the property of Bharst Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company. tracking on end windings and sparking between stator core and loose stator coils. In order COPYRIGHT AND CONFIDENTIAL to provide an effective tool for predictive maintenance and condition monitoring of the stator winding in HV rotating machines, continuous on-line PD monitoring system for stator insulation is proposed to be connected to the Generator system. COMPLIANCE WITH STANDARD: This document has been prepared based on 2.0 BHEL experience. Assistance has been taken from IEEE 1434 / IEC 60034 Part-27. SCOPE: 3.0 3.1 This specification defines the requirement of design, manufacture, supply and installation of the Continuous On-line partial discharge monitoring system, including permanently installed PD sensors like Capacitive couplers, signal cables, Data Acquisition Units, miscellaneous installation / sensing materials as well as system controller and software. इत्यक्ष एव राज्यका कर से किसी भी तत्र प्रयोग, जो कि मांगनी के जिस में शानिकारक हो न किया 3.2 The system shall enable automatic and continuous on-line monitoring and testing of PD सूचना भारत हेवी इलेन्डिड्सन्स की सन्पतित है इशाका activity in the stator insulation without any interruption of the operation of the generator. स्वत्वाधिकार एवं गोपनीय The system shall contain alarm and self test interfaces. The system may be independent of a computer functionality with respect to data capturing and storing. There should be provision for storing matrices alongwith trending parameters. The system as furnished and installed shall not in any way compromise the integrity and 3.3 safety of the generator. इस प्रलेख में दी गई 3.4 The system shall also automatically monitor the operating conditions of each generator, to ensure the validity of the partial discharge tests. To enable such monitoring, the system shall include all necessary analog input modules, customised to accept signals provided by purchaser / end user. SIGN & DATE हस्ताक्षर एवं दिनांक दिनांक एवं हस्तक्षर NAME SIGNATURE & DATE My P. K. SINGH Comments TRANSLATED BY TSX WORKED BY Elsha, 29/0/109 S.K. CHAUM QAX C R SAHA S.CTYA 61 CIE S P AGRAWAL - 30/109 वर्षकाणकर्ता SUPERVISED BY NVENTORY NO DATE & SIGNATURE VIPUL SRIVASTONA UND SUS WORKED BY SPAGRAWAL, AGM (ISE & CPL) mAgram GR.NO MINK ASH KUMAR Mukost Kum CHECKED BY APPROVED :

PREPARED: ISE & CPL

ISSUED:

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SUPERSEDES INVENTORY NO.		Adequ	D sensors like epoxy ate safety protection sl al safety even in case if	hould be	provided	d at the cou	pler location				
सामग्री सूची शंक्या को अधिकमित करता है		•	ers, unique to each type e installed outside the g tor.							-	
ya.w.	4.5	Signa	Cables:								
FIAL harat Hes tly in any	4.5.1	The si	gnal cable to be supplied	d shall b	e of 50 O	hm or as rec	ommended b	y the si	appli	er.	,
D CONFIDENTIAL. nets is the property of Bharat Heavy used directly or indirectly in any way merest. of the company	4.5.2		ignal cable shall be tern							-	
T AND CC documents is th t not be used dif to the interest	4.5.3	The si	gnal cables shall be rou	ited alon	g a condu	ictive groun	ded metal su	rface of	r in n	netal	lic
COPYRIGHT AND COPPRIGHT AND COPPRIGHT is to The information on this document is to Electrical Limited. It must not be used differential to the interest we	4.5.4		acement of the signal conance of the generator.		conduit s	hall not inte	rfere with no	rmal o	oerati	on a	ınd
CO The info	4.5.5		gnal cables shall be sec ration or windage.	curely fa	stened to	the ground	plane to prev	ent mo	veme	ent c	lue
श्र प्रत्यक्ष एवं है न किया जाए ।		Altern	atively proven type of s	ignal tra	nsmission	system sha	ll be conside	red.			
क्षसका प्रत रक्ष को नावि	4.6 D	ata Ac	quisition Units (DAU)	:			-				
स्वत्याधिकार एवं गोपनीय इस प्रलेख में थी गई शूचना भाषत हेवी हतेन्द्रिकल्स की सम्पति है इसका प्रत्यस । स्वात्वस सम्प से किसी भी ताड प्रयोग, जो कि संभी के हिंद में डानिकारक हो न किया	4.6.1		AU (and, if necessary, a enerator housing. Both				,				to
भैकार ए हैंबी हलेंकि जो कि संप	4.6.2	The I	DAU shall incorporate n	umber o	of inputs s	ufficient to a	accommodate	all PD	sens	ors.	
स्वत्वाप्ति थी गई सूचना भारत कसी भी तरह प्रयोग,	4.7		ntermediate termination and shall incorporate:	n box, i	f needed,	shall be si	zed to accor	mmodat	te all	sig	nal
इस प्रलेख में अप्रत्यक्ष कप से नि		_	er grounding with copp n ground grid.	er wire	shall be	done to con	nect the term	nination	box	to	the
SIGN & DATE			intermediate termination onent shall be integrated			led, all nece	essary connec	ction an	d pro	tecti	ion
तामडी सूथी लंखत NVENTORY 7-6 231	Rev.No.	05				निर्माणकर्ता WORKED BY	C R SAHA	Ede	w	v	,.01· <sup>0</sup>
INVI P-6						जांचकर्ता CHECKED BY	S-P AGRAWA	I /m	Agra	1/2	90110

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Relia vá evane SIGN & DATE	BŅ	7	I	PRODUCT	STAN	DARD		पृष्ठ Page	4	का of	10			
SUPERSEDES INVENTORY NO.			EM CONTRO	DLLER AND SO	OFTWAF	RE:								
सामग्री सूची संख्या को अधिकामित करता	4.8.1	The sy	vstem controll	er, capable of m quipped with all	_			te shall	cons	sist o	f a			
IDENTIAL পাদগা স্ব of Bharat Heavy Electrical কা কাছিল any way detrimental to the	4.8.3	genera enable All ne	tor operating communication	are to control the conditions or con on with other con ware and software and forth over	continuous mputers lo re to enab	sly, store to ecated elsew le the DAU	est results or there.  Us and the Sy	n a har ystem (	d dri	ive a	and to			
ND CONF is the property or infarectly in of the company	4.8.4	(twiste The sc and di	ed pair / fibre-oftware compositions	pair / fibre-optic cable) will be provided by supplier.  ware components shall be divided in: two groups, those that perform monitoring play functions and those which are unit or configuration (i.e., system set-up and grounditions for data storage and algorithm), only.										
COPYRIGE The information on this dos Limited it must not be used	System shall be fully configurable from personal computer.  DAU shall provide for communication with PC via local network, land-line or cellumodem or wireless radio modem.  4.9 Computer:													
नीय सम्पति है इसका प्रपक्ष एवं में हानिकारक हो न किया जाए ।		suital	ole to system r	/ off-sit. Comp			nning of PD	softwa	re sl	nall	be			
夏 曾 夏	s	Software Features:  Software for analysis and interpretation of test results (expert system) to assess the condition of winding insulation.												
condition of winding insulation.  It shall be capable of following:  a) Collect data from all DAUs with all sensors connected. b) It shall form the database that is used as the basis for interpreting on—line partial dimeasurements. c) Providing Triggers for taking PD measurements and saving data based on:										schar	ge			
sign के Date		<ul> <li>Time</li> <li>Generator load (MW and / or MVAr)</li> <li>Stator temperature</li> <li>Input for the above parameters will be provided as 4-20 mA signals from the purchaser.</li> <li>The system shall provide monitoring of dynamics such as winding temperature, load, voltage and shall have access for feeding directly into the monitoring for correlation with PD activity.</li> </ul>												
सामग्री सूची संख्या INVENTORY NO. P-6 291	Rev. No.	05		-		निर्माणकर्ता WORKED BY जांचकर्ता CHECKED BY	C R SAHA	4	Agr nAgr	29 and 29	.01.0			

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दिनांक एवं हरताभर SIGN & DAX	$H_{i}$	<i>}]11</i>	PRODUCT	STAN	DARD		Page	5	of	10		
सामग्री सूची मंख्या SUPERSEDES को अधिकनित करता INVENTORY NO.		e) T f) Or prog) A	istinguish the PD pulses that argion. Trend analysis over time from preverall condition of the winding and edictive maintenance. Llarms if threshold values are executensive test result presentation	esent and identifying	stored result	ts. s of the prob						
AND CONFIDENTIAL sens is the property of Bharat Heavy Electrical ettly or indirectly in any way derrimental to the set of the company		remote (Distrib monitor to meet Also on	operation/ monitoring and necuted Digital controlled Monitoring of PD values in DDCMIS. It this requirement.  The potential free contact for alarmat Conditions: The system shall a controlled with the conditions of the conditions.	essary in ring Inform The vendo a shall be all be suita	terface proving terms of will include the provided by ble for operations.	vision with em). This in de required a the supplier	owner's terface applicati	s DI shall ion s	oftwa	IS. ble		
RIGHT ANd this documents in the used directly interest	4.13		to 50°C and relative humidity of tem shall have a suitable protect			er voltage						
COPYRIGHT  The information on this docum Limited It must not be used dire		Bidder	shall clearly indicate with (connected to HV Bus) to the m	schemati	c diagrams		me from	n the	bus	•		
स्तम हर्व	5.0		tion and Commissioning: Insend user shall be done by the su		nd commiss	sioning to the	satisfa	ction	of			
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना गारत हेरी इसेन्द्रिकल्स की सम्पत्ति हें इसका प्रत्यप्त एवं तक्क कप के किसी मी तरह प्रतेग, जो कि संपनी के डित में हानिकारक हो न किया ज		coupler: Supplie	connection, based on the site s and associated assemblies shal r shall bring all commissioning s capable of being installed durin	l be got ap spares at t	pproved price he time of c	or to actual in ommissioning	nstallations. The	on. syste	em	,		
स्वत्वाधि इस प्रतेख में दी गई सूबना भारत हे अप्रत्यक्ष क्षम में किसी भी तरह प्रयोग, ज	5.1		er shall provide qualified labour sioning of the system.	r and test	equipment,	necessary to	o compl	ete t	he fi	nal		
केख में दी र य से किसी	5.2	Supplie	r shall install and perform calibrate	ation of a	ll PD couple	ers.						
SIGN & DATE gra rel	5.3											
सामधी सूची संख्या VENTORY NO. -629 /	Re <b>v</b> .N	0.05			निर्माणकर्ता WORKED BY	C R SAHA	Esa	her	29.0	1-09		
सामधी सूची संख्या INVENTORY NO 7-629		_			· जांचकर्ता CHECKED BY	S P AGRAWA	IL /5n	Agr	m/ 191	01/09		

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दिन्तंक एवं हस्ताधार & DATE	PRODUCT STANDARD	Page	6	of	10							
SUPERSEDES INVENTORY NO.	5.4 Supplier shall establish in consultation with BHEL/ end user partial d settings and alarms and set these using the DAU settings and other peripher	_	ser	sitiv	ity							
	5.5 The system thus supplied and installed shall not in any way compromise the safety of the generator.	e integri	ity a	nd .								
AL सामग्री धूबी संख्या को savy Electrical अधिकामित कारता है trimental to the	6.0 Training: Complete guidance regarding installation shall be provided by training shall be provided by the supplier to BHEL/ end user commissioning. During the training, supplier will demonstrate the use operational software packages as well as interpretation of PD data, stamechanisms.	engine of vari	ers	duri syste	ing em							
(PIDENT) rty of Bharat H. r in any way de any	7.0 The system offered shall be of proven design and shall be manufactured as per the latest requirements of relevant international standard											
CON the proper indirectly the comp	8.0 INSPECTION & TESTING:				£							
T ANI	8.1 Bidder shall furnish the following type, Routin, and Functional tests:											
COPYRIGHT AND CONFIDENTIAL. The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	Type Test:  a) Surge protection test (type test) 13' s did state equipment as per ANSI C 37.90a edition/ IEEE – 472 / IEC – 6' 2.5 – 4.  Acceptance Norms: As per acceptance of specification.  b) Dry Heat Test: as proved 60068 -2-2											
। प्रस्वक्ष एवं न किया जाए ।	c) Damp Heat Test : cs p 13C 60068 -2-3 Acceptance Norms : for ('18'): Should pass in relevant functional check	ks.										
स्वत्वाधिकार एवं गोपनीय इस एतेल में दी गई सूचना भारत हेवे इसेड्रिकल्स सी सम्पत्ति है इसका प्रत्यस एवं त्यस सप से किसी भी तरह प्रवेद, जो कि संभी के हित में हानिकल्स्स हो न किया जाए	Routine Tests:  d) Burn – in test (Routine) as per test procedure indicated in Annex supplier may indicate the test method by which infant mortality eliminated, for the approval of BHEL/ end user. Certificate accordingly.  a) Coupling Connector shall be two and routine tested as non-relevant I.	y of the shall be	e sy	stem rnish	is ned							
स्वत्वाधिक इस प्रतेख में दी गई सूक्षना गारत हैं थी अप्रत्यम सप से किसी भी तरह प्रवेद, को वि	e) Coupling Capacitor shall be type and routine tested as per relevant I for a minimum of 40 kV AC RMS for 1 minute and partial discha 60270. The maximum PD level should not be more than 5 pC at 25 in Functional Tests:	rge test KV r.m.	as j s.	er II								
इस प्रलेख में अप्रत्यक्ष सप से वि	<ul> <li>f) Test to demonstrate the proper functioning of all the hardware and s</li> <li>g) Test to demonstrate the control system functions.</li> <li>h) Test to demonstrate all diagnostic features.</li> </ul>	oftware.										
हरकाश्वर एवं दिनांक	Acceptance Norms: Based on Operation Manual.											
शामधी सूकी संख्या INVENTORY NO. 7 — 6 29]	REV. NO.0.5	Ed.	ha	29.0	1.09							
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सामग्री पुरी शंख्या को SUPERSEDES अधिजीत करता है INVENTORY NO.	meeting the on the equiposhall be trac	e certificate for any test is not a specification/ relevant standard oment being supplied. Also, ca eable to National/ International ntee: The system shall bear a	ls requirem libration ce standards.	ents, then a ertificates fo	ll such tests : r the instrun	shall be nents in	e carr	ried o	out em		
y way	10.0 Predes	issioning.  patch Inspection: BHEL reser's works. However this pred ponsibility to ensure free and p	espatch ins	spection shall	ll not absolv	e the s	inspe uppli	ction er fro	n at om		
VFIDE) roperty of ity or indi-	11.0 DOCUMENTS:										
AND uments t be use	11.1 Three copies of descriptive catalogues in English language giving complete technical information including dimensional details of all hardware and external terminal details for customers' interconnection shall be furnished alongwith the offer.										
COPYRIGHT / The information on this doe Electrical Limited it mus no destinental to it	system s	opies of the block schematic of shall be furnished alongwith the	offer.								
श प्रत्यक्ष पृथ् है म किया जाए ।	11.3 Twenty five copies including schematics, wiring diagram, layout drawings etc. plus 3 number CD ROMs of the O & M manual (which shall include detailed construction / operation, servicing manuals incorporating various electrical schemes indicating the values of various electrical and electronic components) to facilitate proper operation and servicing of the system instruments shall be supplied for each power station. It shall contain original copies of O & M manual of bought out items and not Xerox copies.  Also the manual shall clearly indicate the action to be taken on the generator in the event of										
स्वत्वाधिकार एवं गोपनीय बन सरत हेथे इलेक्टिकल्स को सप्ती रह प्रयोग, जो कि शंकों के लि में हारे	abnorm	al level of Partial discharge obs	erved durin	ng the course	e of on-line r	nonito	ring.				
स्वत्वाधि हन इत्तर है। ह प्रयोग, जो		NG / DESPATCH:	maslead !-	a autobl-	woten pacel	· / vile	eation		of		
स्वत्वाधिकार एवं गोपनीय इस प्रसेख में दी गई सूचना प्रत्य डेवी इसेडिट्रकल्स की सम्पति है इसा अडात्स्व रूप में किसी भारत प्रयोग, जो कि कंपनी के कि में झनिकारक ह	packing identifie	ipment / accessories shall be boxes capable of bearing tran- ed and marked giving details of stem shall have proper casing	sit hazards. dimension	. Various p s, net / gross	acking boxes weight.	s shall	be p	rope	rly		
<del>ٿ</del>		g / storage.									
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सानदी यूथी संख्या INVENTORY P-629				जांचकर्ता CHECKED BY	S P AGRAWA	1.	Mgm	M	101/09		

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#### उत्पाद मानक

## TG 60554

Page

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### PRODUCT STANDARD

#### 13.0 SPARE PARTS:

- 13.1 Recommended spare parts for 3 year trouble free operation of the system shall be offered (minimum 2 nos.) as mandatory spares along with the main equipment. BHEL reserves the right to order the spare parts either along with the main equipment or separately, in which case validity of the offer for spare parts shall be extended by 6 months from the date of placement of order for main equipment. The offer for spares shall indicate breakup of prices for each component separately.
- 13.2 Also supplier shall guarantee for support and long term availability of spares to the owner = for the full life of equipment covered under the contract.

#### 14.0 CROSS REFERRED DOCUMENTS:

- i) ANSI C 37.90a; IEEE 472 / IEC 60255 4.
- ii) Dry Heat Test: as per IEC 60068 -2-2
- iii) Damp Heat Test: as per IEC 60068 -2-3
- iv) IEC 60270
- v) IEC 60034 Part 27
- vi) IEEE 1434

निर्माणकर्ता WORKED BY	C R SAHA	Edela	29.01.09
ं जोचंकर्ता CHECKED BY	S P AGRAWAL	C. Linday of B. C.	Car Section

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SUPERSEDES INVENTORY NO.

इस प्रलेख में दी गई सूचना भारत हेरी इलेज्यि,करूस की सम्पतित है इसका प्रश्यक्ष एवं किसी भी तरह प्रयोग, जो कि अपनी से किस में शामिकारक हो न किया स्वत्वाधिकार एवं गोपनीय

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SUPERSEDES INVENTORY NO.		ANNI	EXUR	Æ -	1		
सामधी सूची संख्या को अधिकामित करता है	BRIEF TECHNICAL PARAMETERS OF THE MACH	INE :					
सामग्री यू अधिकृ	(TENTATIVE VALUES)						
evy way	1. GENERATOR TYPE : STEAM / GAS / NUCLEAR / TURBIN	E GEN	ERA	TOR			
AND CONFIDENTIAL cuments is the property of Bharts Heavy of be used directly or indirectly in any way the interest of the company	2. COOLING SYSTEM : WATER AND HYDROGEN/HYDRO AIR COOLED	OGEN	1		*		
CONFIDEN s the property of B directly or indirec	3. POWER OUTPUT : MW	*					
T AND documents a not be used to the intere	4. GENERATION VOLTAGE: kV						
COPYRIGHT information on this dieal Limited, it must detrimental to	5. STATOR CURRENT : Amps.						
COPYRIGHT AND CONF The information on this documents is the pro Electrical Limited, it must not be used directly detrimental to the interest of the	6. CAPACITANCE OF : Micro Farads / Phase STATOR WINDING			<b>X</b> 1	•		
त्र प्रत्यक्ष एवं म किया जाए ।	7. FREQUENCY : 50 Hz						
10 To	8. STATOR PHASE : YY CONNECTION	٠.					
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में वी गई सूमना मारत हैवी इसेनिकूणल्स की सम्पत्ति है अज्ञस्य सम्भ से किसी सांस्थ प्रयोग, जो कि मंजनी से हिंस में हानिकार	8 TERMINAL MARKING VIEWED FROM						
स्त्वाधिक । भारत हैवी प्रयोग, जो वि	TURBINE END (TE) : U2 V2 W2 EXCITER END (EE) : U1 V1 W1						
स्त स्वन्धिम् किलीमीटल							
इस प्रलेख है इस्प्रक्ष क्षम से	•						
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दनांक एवं हस्ताभर SIGN & DAIE	HŞŢE	3		P	ROI	OUC'	T S	STAN]	DARD		Page		10	of	10
SUPERSEDES INVENTORY NO.											AN	NE	EXUI	RE	- 2
1 1 1	В	URN	IN AN	ND EI	LEVA	TED	TEM	IPERAT	TURE TES	T (ROUT	INE	TF	EST)		
सामग्री सूची संख्या को अधिकामित करता है त्य	all device	es cor	nnected :	for a n	ninimı	um of	168 h	ours cor	sted as a continuously unwing cycle.	nder energ	tem / e ized c	one	ditio	ent w	vith rior
TIAL Sharat Heav olly in any v	1. I	Eleva	ted Tem	aperati	ure T	est Cy	cle								٠
YRIGHT AND CONFIDENTIAL from on this documents is the property of Blurat Heavy inted. It must not be used directly or indirectly in any way detrimental to the interest of the company	During the elevated temperature test which shall be for 48 hours of the total 168 hours of testing, the ambient temperature shall be maintained at 50°C. The equipment shall be interconnected with devices which will cause it to repeatedly perform all operations it is expected to perform in actual service with 10°C on various components being equal to those which will be experienced in actual converse.												be it is		
COPYRIGHT AND The information or this documents Ejectrical Limited it must not be used detrimental to the interv	During the elevated temperature test the cupicle doors shall be closed (or shall be in position same as they are supposed to co in the field) and inside temperature in the soft highest heat dissipating comp( 2/2, 3 / modules shall be monitored. The temperature inside the cubicle should not be above the ambient temperature at 50°C.										he z perat	one . ture			
A 34	2.	Burn	in Test	Cycle	ļ										• .
र एवं गोपनीय भिष्ट्रकल्स की सम्पति है इसका प्रत्यक्ष र बंदी के दिस मैं हानिकारक हो न किया		The 4 above that ti	e except	elevat that th	ted n	n <sub>k</sub> at Latur	ture te re sha	st shall l ll be red	be followed uced to be a	by 120 ho mbient ten	urs of	bu ure	urn ii prev	n tes valer	t as nt at
स्वत्वाधिकार एवं गोपनीय मनाभारत हेवी इलेड्रिकस्स की सम्पति एक प्रयोग, जो कि बन्धी के विश्व में हारि		simul	lated inpu	uts and	d in cas	se of c	contro	l system:	ner load on t s, the proces s or module	ss which is	to be	coi	ntroll	led s	i by hall
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SHOW & DATE															
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#### **ANNEXURE – 12**

## DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04<sup>TH</sup> JUNE, 2020 AND SUBSEQUENT ORDER(S)

(T	o be typ	ed ar	nd su	bmitted in tl	he Letter	Head o	f the E	ntity/Fii	rm providi	ng d	ertificat	te as	app	icable)
 To,														
(Wr	rite Name	e & A	Addre	ss of Officer	of BHEL i	nviting	the Te	ender)						
Dea	ar Sir,													
			_	minimum loo vision, dated							Preferer	nce to	о Ма	ıke in
Ref	•		•	fication No: nent issues t		•••••								
the 'Cla	organiza ass-I loca	ation al su	here) pplie	the items/w has a local or' / 'Class II 2017-Revision	content o <b>I local su</b>	f <b>pplier</b> '	_ % an ** as	d this n defined	neets the l d in Public	oca : Pro	l conter ocureme	nt rec	juire Prefe	ment for erence to
The	e details	of	the	location(s)	at whic	h the	local	value	addition	is	made	are	as	follows:
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3.					4									
	nking yo urs faithfu													
										(Si	gnatur	e, Da	te 8	k Seal of

**Authorized Signatory of the Bidder)** 

\*\* - Strike out whichever is not applicable.

Note:

#### **BANK GUARANTEE FOR PERFORMANCE SECURITY**

Bai	nk Guarantee No:
Da	te:
То	
NAME	
& ADDRESSES OF THE BENEFICIARY	
Dear Sirs,	
In consideration of Bharat Heavy Electricals Limited (hereinafter referred to	o as the 'Employer' which expression
shall unless repugnant to the context or meaning thereof, include its	successors and permitted assigns)
incorporated under the Companies Act, 1956 and having its registered offic	ce at through
its Unit at(name of the Unit) having awarded to (Name of the its registered office at hereinafter referred to as the 'Vendor / Conshall unless repugnant to the context or meaning thereof, include its successor Ref Nodated valued at Rs (Rupees	ntractor / Supplier ', which expression ors and permitted assigns), a contract)/FC(in words) for otractor / Supplier having agreed to
we, (hereinafter referred to as the Bank), having registered/Head offi at being the Guarantor under this Guarantee, hereby, irrevocabl	y and unconditionally undertake to
forthwith and immediately pay to the Employer any sum or sums upto a ma	
Rupees) without any demur, immediately on first demand	
reservation, protest, and recourse and without the Employer needing to p	prove or demonstrate reasons for its
such demand.	
Any such demand made on the Bank shall be conclusive as regards the ar	mount due and payable by the Bank
under this guarantee. However, our liability under this guarantee shall be re	estricted to an amount not exceeding
Rs	

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the <u>Vendor / Contractor / Supplier</u> in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Vendor / Contractor / Supplier shall have no claim against us for making such payment.

We the ......bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract/satisfactory completion of the performance guarantee period as per the terms of the Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We ......BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor / Contractor / Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor / Contractor / Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor / Contractor / Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor / Contractor / Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the <u>Vendor / Contractor / Supplier</u> and notwithstanding any security or other guarantee that the Employer may have in relation to the <u>Vendor / Contractor / Supplier</u> 's liabilities.

This Guarantee shall remain in force upto and including...... and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the <u>Vendor / Contractor / Supplier</u> but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the ......we shall be discharged from all liabilities under this guarantee thereafter.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at ...... shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

We,	BANK lastly undertake not to revoke this guarantee during its currency except with the previous	ous
consen <sup>.</sup>	t of the Employer in writing.	
Notwith	nstanding anything to the contrary contained hereinabove:	
a)	The liability of the Bank under this Guarantee shall not exceed	
b)	This Guarantee shall be valid up to	
c)	Unless the Bank is served a written claim or demand on or before all rights under t	his
	guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under t	his
	guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.	
We,	Bank, have power to issue this Guarantee under law and the undersigned as a d	uly
authori	zed person has full powers to sign this Guarantee on behalf of the Bank.	
	For and on behalf of	
	(Name of the Bank)	
Dated		
Place o	f Issue	
¹ NAMI	E AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited	
<sup>2</sup> NAMI	E AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.	
<sup>3</sup> DETA	ILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE	
⁴ CONT	RACT VALUE	
	ECT/SUPPLY DETAILS MOUNT IN FIGURES AND WORDS	
<sup>7</sup> VALIE	DITY DATE	
<sup>8</sup> DATE	OF EXPIRY OF CLAIM PERIOD	
Note:		

- 1. Units are advised that expiry of claim period may be kept 3-6 months after validity date. It may be ensured that the same is in line with the agreement/ contract entered with the Vendor.
- 2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier/Bank issuing the guarantee.

Annexure-1

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#### INTEGRITY PACT

#### Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

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In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

#### Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
- 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

#### Section 2 - Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
  - 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

#### Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

#### Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above , the Bidder(s)/ Cotractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee , whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

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#### Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

#### Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

#### Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

#### Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

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- 8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

#### Section 9 - Pact Duration

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

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#### Section 10 - Other Provisions

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

Parely (DANKE RUMAR)	
For & On behalf of the Principal National Hope (Office Seal)	For & On behalf of the Bidder/ Contracto (Office Seal)
PlaceHARIDWAR.  Date	
Witness:(Name & Address)	Witness:(Name & Address)

#### **ANNEXURE-3**

representative of the bidder)

#### **CERTIFICATE OF NO DEVIATION**

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

Date: Place: