

Expression of Interest for Engaging Interested Parties Towards Design, and Development of Customized Frameless BLDC Motor

A. Introduction:

CSIR-CMERI, a constituent laboratory of the Council of Scientific & Industrial Research (CSIR), intends to undertake the design and development of a special frameless Brushless DC (BLDC) motor to be integrated within a custom-designed frame incorporating a water-cooling jacket for Underwater application. The selected partner is expected to provide suitable provisions within the frame to enable efficient circulation of cooling water, ensuring effective thermal management and uninterrupted operation under continuous rated load conditions. The system shall include an output shaft supported on appropriate high-quality bearings to withstand continuous operation at the specified mechanical load. Additionally, the developer shall design and implement an arrangement for applying the rated mechanical load directly at the motor shaft, and demonstrate stable continuous operation at full load. A suitable BLDC motor drive/controller preferably with the Make and Model Number clearly specified must be supplied for operating the framed motor using Hall-sensor-based commutation. The overall system is expected to be fully integrated, tested, and demonstrated under rated conditions.

A1: Detailed Specifications of the requirement are provided below:

Sr. No.	Parameters	Value
1.	Outer Diameter of Motor	60 mm \pm 5%
2.	Inner Diameter of Motor (Shaft Diameter)	10 mm \pm 5%
3.	Overall Length of Motor	55 – 65 mm
4.	Rated Output Power	\geq 1000 W
5.	Continuous (Rated) Torque	\geq 1.2 Nm
6.	Rated Speed	\geq 8000 RPM
7.	Maximum No Load Speed	\geq 8500 RPM
8.	Cooling Method	Forced Water Cooling at an ambient temperature of 20°C
9.	Overall Mass of Motor	\leq 1.0 kg
10.	Rated Operating Voltage	300 V _{dc} \pm 5%
11.	Continuous Current	\leq 5 A
12.	Efficiency at rated load	\geq 88%
13.	No. of Phases	3
14.	Back EMF Profile	Trapezoidal / Sinusoidal

15.	Stator & Rotor Configuration	<ul style="list-style-type: none"> Outer Stator Core with Proper Provision for Fixing inside a Mechanical Housing. Inner Rotor.
16.	Hall Sensor	<ul style="list-style-type: none"> Integrated Hall Sensors for 120° Electrical Phase Angle Open-drain output and suitable to be powered by a +5 to +7V dc supply.
17.	Winding Temperature Sensor	<ul style="list-style-type: none"> Integrated with Positive Thermal Coefficient of Resistance
18.	External Electrical Cables	<ul style="list-style-type: none"> Teflon (PTFE) Insulation with Nickle Plated Copper Conductor. Individual Cable Length for phase and hall sensors connections ≥ 200mm Different colours must be used for proper identification of cables.
19.	Warranty (for motor and test bed components)	Minimum 24 Months

B. Scope of Work:

1. Supply of Customized Equipment

- a) Supply of **one complete unit** of the frameless BLDC motor housed within a mechanical frame incorporating a **water-cooling jacket** and output shaft assembly.
- b) The supplier shall provide a **fully integrated test bed**, including the **motor drive**, testing arrangement, load application mechanism, and all accessories as specified in the product description.

2. Documentation

The supplier shall provide comprehensive documentation, including but not limited to:

a) Design Simulation Reports

- o 2D finite-element-method (FEM)-based electromagnetic and thermal simulation results of the motor.

b) Mechanical Drawings

- o Dimensional drawings and manufacturing drawings (with tolerances), showing all relevant views, cross-sections, and material specifications for each motor component.

c) Instruction Manuals

- o Installation guidelines, operation manuals, and maintenance instructions.

d) Electrical Documentation

- Hall-sensor-based commutation table and complete electrical connection diagrams.

e) Test Reports

The supplier must provide detailed reports for the following mandatory tests:

- (i) Phase–phase resistance test
- (ii) Phase–phase inductance test
- (iii) Insulation resistance test
- (iv) Back-EMF profile along with Hall sensor signals for all phases
- (v) Back-EMF constant test
- (vi) Torque constant test
- (vii) No-load speed test
- (viii) Stator and rotor mass measurement
- (ix) Torque–speed characteristics graph
- (x) Details of the drive used for testing
- (xi) Efficiency measurement at different load levels

f) Specification Sheet Based on Experimental Results

The supplier must provide experimentally validated performance specifications for at least the following parameters:

- (i) Rated output power
- (ii) Continuous (rated) torque
- (iii) Rated speed
- (iv) Maximum no-load speed
- (v) Continuous current
- (vi) Rated operating voltage
- (vii) Back-EMF constant
- (viii) Torque constant
- (ix) Slot and pole count
- (x) Stator winding configuration
- (xi) Phase–phase resistance
- (xii) Phase–phase inductance
- (xiii) Overall motor mass
- (xiv) Rotor inertia (including shaft)

C. Pre-Dispatch Inspection and Tests

A Pre-Dispatch Inspection (PDI) shall be conducted at the supplier's facility on the fully assembled frameless BLDC motor (with frame, water-cooling jacket, and shaft) along with the integrated test bed. Inspection will include operational evaluation under multiple load conditions.

CSIR-CMERI personnel will carry out the inspection, and all travel and hospitality expenses of CSIR-CMERI officials will be borne by CSIR-CMERI itself.

D. Acceptance Test

The acceptance testing at CSIR-CMERI shall include the following:

1. Submission of all documents listed under **Scope of Supply and Incidental Services**.
2. **Visual inspection** of the motor and test bed for physical damage.
3. Measurement of **phase resistance and inductance** under stationary conditions.
4. Demonstration of **satisfactory operation** of the integrated test bed at various loading conditions at CSIR-CMERI.
 - o The supplier's representative must perform this demonstration.
 - o The supplier must inform CSIR-CMERI **at least 6 weeks in advance** regarding any site-specific requirements to ensure smooth installation and testing.

E. Delivery/Installation/ Commissioning of the Consignment and Period of Engagement

Delivery, installation, commissioning, and testing of the materials/equipment at **CSIR-CMERI, Durgapur is expected to be completed by 08-10 months.**

However, the period of engagement shall be **upto (02) two year** from the date of signing the **Non-Disclosure Agreement (Annexure-8)**, applicable only after selection as a Design cum Developer Partner.

Any extension, if required, may be considered and approved by the Competent Authority depending on the situation.

F. IPR:

Any product, technology, process, or service developed—either directly or indirectly—based on the results, data, findings, or intellectual know-how generated through this development activity shall be considered the exclusive **intellectual property of CSIR**. This includes all subsequent enhancements, modifications, derivatives, and commercial applications arising from the development outcomes. CSIR will retain full ownership rights, including the rights to file patents, license the technology, transfer the technology to third parties, and exploit the intellectual property for commercial or strategic purposes at its sole discretion. No other party shall claim any ownership, entitlement, or share of such intellectual property unless explicitly agreed upon through a separate formal arrangement approved by **CSIR to be processed through CSIR-CMERI**.

G. Payment/Fee Amount & Related Terms & Conditions:

- i. **An advance payment upto 30% may be released upon submission of a valid Bank Guarantee** of equivalent value by the supplier/service provider.
- ii. **The remaining 70% payment may be released within 30 days** of delivery, installation, commissioning, and testing of the materials/equipment at **CSIR-CMERI, Durgapur**.

H. Pre-Qualification Criteria

S. No.	Pre-Qualification Criteria	Supporting / Compliance Documents
1	The Design cum Developer(s) could be any legal entity, individual(s)/group of specialists/experts, corporate entities such as Firms/ Companies/ College/ University etc. Individuals who have been retired from Government/ Semi-Government/ Public Sector Organization(s). Individuals who are regular employee of Government/ Semi-Government/ Public Sector Organization(s) could be engaged as Design cum Developer(s).	Certificate of Registration of the Firm/ Companies/ College/ Universities, GST certificate, PAN certificate, Legal document whichever is applicable.
2	The entity/ firm should have experience in design, development & supply of BLDC/PMSM motors of 500W or higher power for applications in the area of Aerospace/Underwater/Strategic to any Government / Public Sector Undertaking Organization, during last five years.	Certificate by the Competent Authority/ Authorized Signatory of the participating entity, Copy of the work order/ contract.
3	The entity/ firm should not be blacklisted by any Central/ State body or Financial institution/ Bank.	Certificate signed by the authorized signatory.
4	Compliance with Motor Specifications (Dimensions + Performance)	Party should provide compliance statement against each parameter as mentioned in Sec. A1. Any deviation should be clearly mentioned by the party.

I. Evaluation and Qualification Criteria

The proposals submitted by qualified firms for the design, development, supply, and testing of the frameless BLDC motor shall be evaluated by an Expert Committee constituted by CSIR-CMERI. The evaluation will be based on the following weighted criteria:

Sl. No.	Criteria	Weightage (%)
1	Technical Design Capability, Qualifications including Team Competence	35
2	Experience in BLDC/PMSM Motor Development	35

3	Experience with Government / Strategic Sector / Public-Funded Agencies	20
4	Manufacturing, Testing & Quality Assurance Infrastructure	10
Total		100

Minimum qualifying score: 60/100.

Table-01: Evaluation Parameters & Scoring Basis

Sl. No.	Evaluation Parameter	Sub-Criteria / Description	Maximum Marks	Evaluation Basis*
1	Technical Design Capability, Qualifications including Team Competence	Qualification & experience of motor designers and test engineers in the Field of Electromagnetic design, thermal modelling, custom motor design experience including handling of design and analysis software	35	Committee scoring based on Team Competency
2	Experience in BLDC/PMSM Motor Development	Number of similar motors designed and delivered in last 10 years	35	1–2 motors: 15 marks; 3–4 motors: 25 marks; >4 motors: 35 marks
3	Experience with Government / Strategic Sector / Public-Funded Agencies	Prior supply of compact high-speed motors/actuators	20	No experience: 0 marks; 1–2 projects: 10 marks; >2 projects: 20 marks
4	Manufacturing, Testing & QA Infrastructure	Fabrication capability, torque/speed/efficiency test benches, QA certifications	10	Committee scoring based on submitted documents

***Evaluation basis will be based on the submitted supporting document**

J. EOI Processing Fee: NIL

K. Last Date of Submission: 8th January, 2026

L. Venue & Timeline for Submission of Proposal

The proposal, complete in all respects and submitted in accordance with the requirements of this EOI, must be sent to the following address:

The Head

Business Development Unit (BDU)

CSIR-CMERI, Durgapur.

M. G. Avenue, Durgapur – 713209

E-mail: bdg.cmeri@csir.res.in

Phone: +91 9474546419

The EOI must reach the above address on or before 5:00 PM on the last date of submission, during working days and within official working hours. Proposals may be submitted via e-mail or courier. In exceptional circumstances and at its sole discretion, CSIR-CMERI may extend the deadline for submission of proposals. Any such extension shall be communicated through an amendment notification, which will be made available on the official website of the institute.

FORMATS FOR SUBMISSION.

Annexure -1

APPLICANT'S EXPRESSION OF INTEREST

To

**The Head,
Business Development Unit (BDU),
CSIR-CMERI Durgapur,
M. G. Avenue, Durgapur-713209**

Date:

Req. Submission of Expression of Interest for Design, Development of Customized Frameless BLDC Motor

Dear Sir,

In response to the Invitation for Expression of Interest (EOI) published on _____ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we have attached the following documents in a sealed envelope:

- i) Organizational Details: Annexure-2;
- ii) Experience in related fields: Annexure-3;
- iii) Experience of Key Personnel: Annexure-4
- iv) Financial strength of the organization / firm / entity: Annexure-5;
- v) Additional Information, if applicable: Annexure-6;
- vi) Declaration: Annexure -7.

Yours Truly,

Signature of the Applicant

{Full Name of the Applicant}

Stamp.

Encl. As above

Note: The application is to be submitted on the letter head of the organization/firm/entity.

Annexure -2

<u>S. No.</u>	<u>Organizational Details</u>	
1.	Name of the Organization	
2.	Main areas of Business/Activity	
3.	Type of Organization : Firms/ Companies/ College/ University	
4.	Whether the entity/ firm has been blacklisted by any Central Government/ State Government/ PSU / Bank/ Financial Institution/ others. If yes, details thereof.	
5.	Address of registered office with contact numbers and contact persons and email address/es	
6.	Address of Office/s in India	

Signature of the Applicant
{Full Name of the Applicant}
Stamp.

Enclosures:

- i) Copy of the Certificate of Incorporation
- ii) Copy of Articles & Memorandum of Association

Annexure -3

Experience in the Related Fields			
Overview of the past experience of the Organization in respects of similar Design cum Development Works			
S. No.	Items	Particulars: Number of Assignments/ work-contracts handled/ completed at least during last 10 (TEN) year, Order value of each assigned work contract, Mention the Name of the Customer/ Organization {Enclose copy of each order}	Remarks, if any
1.	Experience & details of work done for providing similar Design cum Development services/ assignments		
2.	Other relevant experiences		
Decision of Evaluating Committee in ascertaining "similar nature" and "similar assignments" will be final			
Signature of the Applicant {Full Name of the Applicant} Stamp & Date.			

Experience of Key Personnel

Overview of the qualification and past experience of the key personnel

Name: Designation: Date of Birth: Qualifications: Experience:

(Activities carried out in last 3 years)

Note: Information regarding more than one key personnel may be provided. They should be on the payroll of the applicant. Separate sheet may be used for each individual. Each individual will be evaluated separately and then average of the all personnel will be taken for final evaluation.

Signature of the applicant

[Full name of applicant] Stamp & date

Annexure -5

<u>Financial Strength of the Organization</u>						
<u>S. No.</u>	<u>Financial Year</u>	<u>Whether Profitable : Yes/ No</u>	<u>Annual Net Profit</u> (Rs. in lacs)	<u>Overall Annual Turnover</u> (Rs. In lacs)	<u>Annual Turnover from Design cum Development Works (Rs. in lacs)</u>	<u>Annual Turnover from Other Sources/ Services/ Business Segments</u> (Rs. in lacs)
1.	2024-25					
2.	2023-24					
3.	2022-23					
4.	2021-22					
5.	2020-21					

Note. Please enclose auditors' certificate in support of your claim.

Annexure -6

Additional Information

1. List all attachments related to the previous sections.

S.No.	Description	No. of pages (From- to)

2. Additional information to support the eligibility. (Not more than 2 pages).

Signature of the applicant

[Full name of applicant] Stamp & date

Note: Separate sheet may be used if necessary.

Annexure -7

Declaration

We hereby confirm that we are interested to work with CSIR-CMERI as a Design cum Developer(s) under all categories of scope of work and all the information provided herewith is genuine and accurate to the best of our knowledge.

We also confirm that our firm has not been blacklisted or has any litigation or any conflict of interest that may impact on the delivery of the services.

Authorized Person's Signature

Name & Designation

Date:

Note: The declaration is to be furnished on the letter head of the organization.

Annexure-8

MUTUAL NON DISCLOSURE AGREEMENT

This Non- Disclosure Agreement ("Agreement") is made on this _____ day of _____, 20____ ("Effective Date") by and between:

_____ a company incorporated in India under the provisions of _____ having its registered office at _____, India (herein after referred to as "_____) (which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) and

CSIR-Central Mechanical Engineering Research Institute, Durgapur, having its registered office at Mahatma Gandhi Avenue, Durgapur-713209, West Bengal, a national level research & development laboratory under the aegis of Council of Scientific and Industrial Research (CSIR) having its registered office at Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (herein after referred to as the "CSIR-CMERI") (which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns);

However, for any reference on execution of this mutual NDA on behalf of the CSIR on all developmental matters, CSIR-Central Mechanical Engineering Research Institute, a constituent laboratory under CSIR, having its office at Mahatma Gandhi Avenue, Durgapur-713 209 may be referred in the first instance

_____ and CSIR-CMERI are collectively referred as "Parties" and individually as "Party" and the party disclosing confidential information is referred as "Disclosing Party", and the party receiving confidential information is referred as "Receiving Party".

RECITALS

WHEREAS:

A. _____ (Description of Farm)

B. CSIR-CMERI is one of the leading R&D institutes in the domain of mechanical engineering and allied sciences under the aegis of the Council of Scientific and Industrial Research (CSIR). The Council of Scientific & Industrial Research (CSIR) was established in 1942 as an autonomous body under the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India. CSIR is one of the world's largest publicly funded R&D organizations, recognized for its advanced knowledge base across diverse science and technology domains. The research verticals of CSIR-CMERI are classified mainly in five areas:

- Smart Farm Machines & Technologies
- Electric Mobility & Clean Energy
- Intelligent Robotics & Autonomous Systems
- Sustainable & Digital Manufacturing

- Airborne Systems & Technologies

The institute has also some dedicated manpower towards industrial service, skill & entrepreneurship development.

C. Parties hereto intend to disclose with each other, certain confidential and proprietary information, including but not limited to trade secrets as defined hereafter regarding "Purpose".

The "Purpose" of this agreement is to set forth the rights and obligations of the parties with respect to the use, handling, protection and safeguarding of Confidential Information (including sharing/exchanging of information/documents concerning a potential co-operation between them) which is disclosed by and between.

NOW THEREFORE, in consideration of the mutual covenants hereinafter recited and other good and valuable consideration (the receipt and sufficiency of which is mutually acknowledged), Disclosing and Receiving Party do hereby agree as follows:

1. Confidential Information

For the Purpose of this Agreement and subject to the exceptions set forth hereunder "Confidential Information" means any written, electronic, oral or visual information disclosed by Disclosing Party to Receiving Party, including without limitation, information pertaining to its business, facilities, operations, organizations, products, technologies, customers and suppliers, engineering/design specifications and drawings, cost/pricing data, business processes, business data, and strategies, regardless of whether such information is disclosed to or otherwise observed or learned by the Receiving Party during the discussions and meetings, or developed by the Receiving Party from information so disclosed or learned, whether or not marked or identified as "Confidential" or "Proprietary." Confidential Information also includes the existence & terms of the discussions, this Agreement and any non-public information that might be useful to the competitors of the Disclosing Party, intellectual properties, business objects and strategies, pricing information and any other vital financial, commercial and legal information and statistics in general.

2. Receiving Party's Obligations

A. Receiving Party agrees that the Confidential Information will be considered as confidential & proprietary to the Disclosing Party and the Receiving Party shall hold the same in confidence, shall not use the same other than for the Purpose of this Agreement. Receiving Party may disclose the Confidential Information only to its directors, employees, consultants and advisors with a specific "need to know" basis who are aware of and bound by the terms & conditions of this Agreement. Further, the Receiving Party shall be responsible for any breach of confidentiality by its directors, employees, consultants and advisors.

B. The Receiving Party, further expressly agrees that:

1. the Confidential Information shall be kept in strict confidence and shall not be used for any purpose other than Purpose of this Agreement and it will not otherwise use or attempt to use the Confidential Information for its own advantage or gain, or the advantage or gain of any third party, directly or indirectly.
2. it shall not use or attempt to use the Confidential Information in any manner which may cause or likely to cause damage or loss to Disclosing Party or any company related to/ associated with Disclosing Party, now or in the future.
3. it shall not duplicate/reproduce the Confidential Information furnished in tangible form, except for purposes of this Agreement.
4. it will protect the Confidential Information with the same degree of care that it uses to protect its own confidential information and avoid inadvertent disclosure or unauthorized use of the Confidential Information.
5. it will not modify, reverse engineer, decompile, create other works forms, or disassemble any software programs contained in the Confidential Information of the Disclosing Party unless otherwise specified in writing by the Disclosing Party.

3. Exceptions

Notwithstanding anything contrary contained herein, Confidential Information shall not include information which:

- a. Is or becomes publicly available without breach of this Agreement by Receiving Party; or
- b. Is developed by or already known to the Receiving Party without breach of this Agreement; or
- c. Has been rightfully received from a third-party without restriction on disclosure on it and without breach of this Agreement; or
- d. Is approved for disclosure by written authorization of the Disclosing Party; or
- e. Is required to be disclosed by Law, order of court or regulatory authority.

The fact that a portion of the information included in the Confidential Information is or otherwise becomes available to a Party hereto pursuant to clauses (a), (b), (c), (d), or (e), above, shall not relieve such Party from the confidentiality provisions of this Agreement with respect to the balance of the Confidential Information.

Provided, prior to any disclosure under clause (e) above, Receiving Party in so far as it is lawfully permissible and reasonably practicable shall give prior written notice of any such disclosure to the Disclosing Party so as to afford the Disclosing Party an opportunity to seek protective order or other relief as may be available in the circumstances. If no protective order or other remedy

is obtained, the Receiving Party will disclose only that portion of the Confidential Information, which is legally required to be disclosed and will exercise all reasonable efforts to obtain confidential treatment for the Confidential Information.

4. Term of this Agreement

The term of this Agreement shall be for a period of 2 (two) years from the effective date hereof. Any extension thereto shall be as mutually agreed in writing between the Parties. The Agreement may be terminated by either Party by giving Thirty (30) days prior written notice to the other Party. However, Confidentiality obligation will survive termination or expiration of this Agreement for a period of three (3) years.

5. No Publicity

Without the express written consent of the other Party, neither Party shall disclose the existence or terms and conditions of the Agreement, or the fact that discussions are being held or having business relation with the other Party.

6. Legal Ownership

- i. All records, data and materials, particularly documents, drawings, models, equipment and programs provided by the Disclosing Party within the framework of this Agreement are and shall remain the property of the Disclosing Party. The parties hereby agree that the Receiving Party shall not acquire any rights to the Confidential Information unless expressly agreed in writing.
- ii. All intellectual properties developed /invented /designed by the joint efforts of the Parties or in its development/ invention/design use of other Party's resources of whatsoever nature, shall be dealt with mutually in the interest of both the parties and in amicable manner.

7. Specific Performance and Equitable Relief

The Receiving Party understands & acknowledges that any disclosure or misappropriation of any of the Confidential Information in violation of this Agreement may cause irreparable harm to the Disclosing Party, the amount of which may be difficult to ascertain and, therefore, agrees that Disclosing Party, in addition to such monetary relief or other applicable remedies, will be entitled to equitable relief, including injunction and specific performance, against the Receiving Party, so as to restrain any continuing or further breach by the Receiving Party.

8. Governing Law & Arbitration

This NDA shall be governed by and construed in accordance with the Law of Govt. of India.

- i. All disputes & differences which may arise out of or in connection with this Agreement and which are not mutually settled between the Parties, shall be finally settled by Arbitration in accordance with the provisions of (Indian) Arbitration and Conciliation Act, 1996 including any

amendments thereof, by a single Arbitrator mutually appointed by both the Parties. The seat of such Arbitration shall be at Mumbai, India and the language shall be English.

ii. The award shall be final and binding on the parties. The Arbitrator may give interim award(s) and / or directions, as may be required.

iii. Subject to the aforesaid provision, the arbitration and conciliation act, 1996 and the rules made hereunder and any modification thereof from time to time being in force shall be deemed to apply to the Arbitration proceeding under this clause.

9. Miscellaneous

9.1 No Assignment: Either Party shall not assign or transfer any rights or obligations under this Agreement or any interests herein without prior written consent of other Party.

9.2 Agreement Binding on Successors: This Agreement shall be binding on and shall inure to the benefit of the parties hereto, and their heirs, executors, administrators, legal representatives, successors, and assigns.

9.3. Relationship: Nothing in this Agreement shall grant the right to make commitments of any kind for or on behalf of Disclosing Party. This Agreement is not intended to be nor shall it be construed as a joint venture, agency, partnership or such other formal business relationship.

9.4 Severability: If any provision of this Agreement is held to be invalid or unenforceable, that particular provision shall be given no effect and shall be deemed not to be included in this Agreement, but without invalidating any of the remaining provisions.

9.5 No Implied Waiver : Parties agree that any failure by other Party in exercising the rights, powers or privileges under the terms of this Agreement shall not be construed as a waiver nor shall any continuing or subsequent single or partial exercise preclude any further exercise of any right, power or privilege by other Party.

9.6 Destruction of confidential Information: Upon the Disclosing Party's request, the Receiving Party shall cease using and immediately return to the Disclosing Party all Confidential Information along with all copies, extracts or other reproductions (in whole or in part) made thereof and all documents or things containing any portion of any Confidential Information. The re-delivery of such Confidential Information shall not relieve the Receiving Party or its Representatives of their obligations of confidentiality or other obligations hereunder. Alternatively, the Receiving Party shall destroy the Disclosing Party's Confidential Information, without saving any copies of the same, at the Disclosing Party's written request. However, the Receiving Party shall retain the Confidential Information to the extent that retention of such Confidential Information is necessary to comply with the Receiving Party's internal document retention requirement aimed at legal and regulatory compliance. All such retained Confidential Information shall remain subject to the disclosure and use restrictions set forth herein, notwithstanding termination of this Agreement.

9.7 Cost & Expenses: Each Party shall be responsible for its own costs and expenses in the preparation, negotiation and execution of this Agreement and the transactions contemplated hereunder.

9.8 Authority: Each Party warrants that it has authority to enter into this Agreement for itself.

9.9 Notice: Any notice to be given by either Party hereunder shall be in writing and in English language and shall either be delivered personally or sent by registered post, telex, facsimile transmission, electronic mail or other means of telecommunication in permanent written form to the other Party. The addresses and numbers for service of notice of both the Parties is at their respective addresses and numbers set forth below:

Partners detail Address	For CSIR-CMERI Durgapur CSIR-CMERI Durgapur Mahatma Gandhi Avenue, Durgapur-713209 West Bengal Ph. No. 9474546419 Fax No. 0343-2546745 E-mail : bdg@cmeri.res.in Attention : Dr. Bibhuti Bhushan Ghosh, Head BDU
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The Notices shall be deemed to have been made or delivered (i) in the case of any communication made by letter, when delivered by hand, by recognized international courier or by mail (registered return receipt requested) at that address and (ii) in the case of any communication made by telex or facsimile, when transmitted properly addressed to such telex number or facsimile number. In case any Party changes its address, communication numbers, or directed attention as set forth above, it shall notify the other Party in writing prior to the adoption thereof.

9.10 Amendment: Any change, amendment, addition or modification of this Agreement shall be in writing and signed by both Parties to be effective

9.11 Final Agreement: This Agreement terminates and supersedes all prior understandings or agreements on the subject matter hereof, if any

9.12 Headings: Headings used in this Agreement are provided for convenience only and shall not be used to construe meaning or intent.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

FOR	FOR CSIR-CMERI DURGAPUR
(Company Name)	Name: Designation: Place: Date: Seal:
Name: Designation: Place: Date: Seal:	Place: Date: Seal:
Witness 1:	Witness 1:
Witness 2:	Witness 2: