

GREENKO DEMWE POWER LIMITED

Registered Office: 15th Floor, Hindustan Times House, 18-20, Kasturba Gandhi Marg, Connaught Place, New Delhi, Central Delhi- 110001, Delhi, India

ICB/TENDER Ref No.: GDPL/ELECTRO-MECHANICAL PACKAGE/002 dated 27th April 2026

INTERNATIONAL COMPETITIVE BIDDING
(TWO PART BID)

BID DOCUMENTS FOR “ELECTRO-MECHANICAL WORKS”

M/s Greenko Demwe Power Limited (GDPL) invites **Sealed Bids** from eligible Bidders / EPC Contractors for implementation of the Project is envisaged through Design, Engineering, Model Testing, Procurement, Manufacturing, Shop Testing, Packing, Insurance, Supply, Transportation to site, Storage, Installation, Erection, Testing & Commissioning, Trial Operation, and conducting Performance Guarantee Tests of Electro-Mechanical Package **on EPC Basis on FIRM & FIXED Price till the completion of Project Schedule for 1750 MW DEMWE Lower Hydro Electric Power Project (HEP)**

Brief scope includes (but not limited to):

Electro-Mechanical Works for the 1750 MW Demwe Lower Hydroelectric Project (5×342 MW + 1×40 MW), located at Parasuram Kund / Brahma Kund Village, Lohit District, Arunachal Pradesh, India, on Item Rate basis.

The scope of proposal shall be on the basis of the single point responsibility covering the following activities and services in respect of all Electro - Mechanical equipments and works covered under the various Particular Technical Specifications enclosed with the Bid Document:

- i)** Basic Engineering of the plant including preparation of design manuals.
- ii)** Detailed design of all the equipment’s and equipment system
- iii)** Providing engineering drawings, data, instruction manuals, as built drawings, O & M Manuals, Quality Assurance Plan and other information for Owner’s approval
- iv)** Compliance with Grid Code and Regulatory Requirements
The Contractor shall ensure that all design, studies, testing, and commissioning activities are fully compliant with the latest applicable Grid Codes, Central Electricity Authority (CEA) regulations, and requirements of the concerned Load Dispatch Centers (RLDC/SLDC).

The scope shall include, but not be limited to, the following:

- Carrying out all necessary power system studies such as
 - Load flow and short circuit analysis and suggesting the requirement of shunt reactors.
 - CT & PT sizing.
 - Lightning analysis
 - Switching analysis.
 - Motor starting analysis considering RE grid and requirement of reactors.
 - Transient stability studies i.e., Switching, Ferro resonance, FTO, VFTO etc.

- Over voltage and transfer surge analysis.
 - NGT & NGR sizing for both Stator and Rotor suitable for low frequency signal injection to detect earth faults.
 - Power quality studies
 - Relay setting co-ordination.
 - Water transient analysis for suitable selection of pressure rise to limit the run-away speed etc. and also suggest the penstock thickness and closing timings of MIV/ring gate & guide vanes.
 - Sharing the generator, governor, Excitation and joint controller IEEE model and soft files in PSCAD and PSSE formats or in any other format as specified by Grid authorities for performing static and dynamic Grid studies.
 - Assessment and incorporation of line charging requirements, reactive power compensation, voltage control measures, and system stability criteria as per grid standards.
 - Ensuring compliance with grid connectivity requirements including synchronization conditions, fault ride-through capability (if applicable), frequency and voltage operating ranges, and protection schemes.
 - Technical coordination with concerned Load Dispatch Centers (RLDC/SLDC) for approval of studies, grid connectivity, and commissioning procedures.
 - Implementation of all recommendations arising out of the studies and obtaining necessary clearances from statutory authorities.
 - Conducting all pre-commissioning tests, commissioning tests, and performance tests strictly in accordance with the latest Grid Code, CEA guidelines, and approved procedures.
 - Submission of detailed reports, test certificates, and compliance documentation to the Employer and relevant authorities.
 - All activities shall be carried out in such a manner that the generating unit/system is fully compliant, reliable, and ready for safe and stable operation in synchronism with the grid.
- v) Turbine Model Testing and Submission of Reports
- The Contractor shall carry out model testing of the turbine in accordance with relevant international standards (such as IEC/IS standards) to establish the guaranteed performance parameters.
 - In case an identical or hydraulically similar turbine model has already been tested, the Contractor may submit existing model test results, subject to the following:
 - Submission of detailed model test reports of the similar turbine, clearly demonstrating similarity in design, geometry, and operating conditions.
 - Provision of a validated transposition (scaling) report establishing the correlation between model test results and the proposed prototype turbine performance.
 - Submission of comprehensive hill curves indicating efficiency, discharge, and power characteristics over the full operating range.
 - Demonstration that the submitted model test results meet or exceed the guaranteed parameters for the offered turbine.
 - All model tests shall be conducted in an accredited laboratory, and the reports shall be duly certified. The Owner reserves the right to review and seek clarifications or insist on fresh model testing if the submitted data is found inadequate or not representative.
 - All documents, including model test reports, transposition reports, and hill curves, shall be submitted for the Owner's review and approval.
- vi) Manufacturing of equipments, Shop assembly including shop testing

- vii) Packing and transportation for all material manufactured in India / abroad from the manufacturer's works to the Project Site.
- viii) Transit Insurance for all material including marine insurance & customs clearance/port charges for the imported materials, if any
- ix) Receipt, handling, storage, preservation and conservation of equipments at the site
- x) Pre-assembly if any, erection, testing, commissioning and putting into satisfactory operation and handing over to the Owner
- xi) Conducting Performance and Efficiency tests.
- xii) Supply of Mandatory as well as Recommended Spare Parts Training of Owner's Engineers on operation of critical components.
- xiii) Training schedule will be finalized during detailed engineering stage. However, consider 800 man days for training purpose which includes OEM works + Site.
- xiv) Supply of special tools and tackles, consumables and services required for satisfactory erection, testing & commissioning of all equipment.
- xv) Project Management and Co-ordination for satisfactory conclusion of the Contract. xv) Ensuring Quality and workmanship of all the equipments & systems to be supplied.
- xvi) The Contractor shall ensure co-ordination among various sub-contractors, to verify the continuity
- xvii) and the coherence between themselves. The Contractor shall also resolve all interfacing
- xviii) requirements among various sub-contractors for execution of the work as per scope of contract.
- xix) Owner shall provide necessary help for such co-ordinations with different subcontractors (if
- xx) chosen by Owner).

Refer enclosed Technical specifications for details (Volume III).

Exclusions: Civil Works from the above scope is excluded

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VOLUME - I: PART – I

NOTICE INVITING TENDER

1.	Name of the Project	1750 MW DEMWE Lower Hydro Electric Power Project (HEP)
2.	Company Name	GREENKO DEMWE POWER LIMITED
3.	Tender Inviting Authority	Associate Vice President - C&P (Projects)
4.	Tender Notice No.	GDPL/ELECTRO-MECHANICAL PACKAGE/002
International Competitive Bidding (ICB)		
5.	Scope of Work	Design, Engineering, Model Testing, Procurement, Manufacturing, Shop Testing, Packing, Insurance, Supply, Transportation to site, Storage, Installation, Erection, Testing & Commissioning, Trial Operation, and conducting Performance Guarantee Tests of Electro-Mechanical Package on EPC Basis on FIRM & FIXED Price till the completion of Project Schedule for 1750 MW Demwe Lower Hydroelectric Project (HEP) Refer enclosed Technical Specifications (Volume III) for detailed scope.
6.	Capacity and Location of the work	1750 MW Dewme Lower HEP located at: Village: Parasuram Kund/ Brahma Kund Village District: Lohit State: Arunachal Pradesh, Country: India.
7.	Tender Type	Tenders through “International Competitive Bidding” Two Part type: Part - I: Pre-Qualification & Technical Bid Part - II: Price Bid and Commercial Terms & Conditions
8.	Tender Category	EPC Basis on FIRM & FIXED Price basis throughout the Contract Completion Period (Tender through International Competitive Bidding)
9.	Cost of Document	Nil
10.	Period of Completion (from the date of LOA)	1st Unit COD in 34 months Last Unit COD by 40 months (All Units Completion) {Bidders to provide detailed milestone schedule-Unit wise COD accordingly}
11.	Bid Security (EMD) (Please refer to Clause No: 10 of V (Instruction to Bidders-ITB))	Nil
12.	Bid Security Payable to	Not Applicable

13.	Contract Performance Bank Guarantee (CPBG)	<p>Contract Performance Guarantee shall consist of two parts.</p> <p>(a) Contract Performance Bank Guarantee (CPBG) for 10% value of the Contract, which is to be submitted on the date of signing of Contract and</p> <p>(b) Contract Performance Bank Guarantee (CPBG) of 2% equivalent Value of JV Partners shall be submitted (2% value of JV partner's Components).</p> <p>The successful Bidder shall furnish Contract Performance Bank Guarantee for 10% of contract value within one month from the date of Letter of Award/on the day of Signing of the Contract towards the "Contract Performance Bank Guarantee" in the prescribed format (enclosed in the Tender Document). This Guarantee shall remain valid till the completion of the Project + Defect Liability Period (24 months) of all the equipment and works with a claim period of 90 days over and above the guarantee period. Apart from this, JV Partner shall submit 2% CPBG towards Contract Performance and shall be kept valid upto Defect Liability Period.</p> <p>The Contract Performance Guarantee shall be released on successful completion of Defects Liability Period including extensions thereof, if any or issuance of Acceptance Certificate, after completion of Defects Liability Period whichever is later.</p>
14.	Schedule Available Date	27th April 2026 , onwards
15.	Pre-Bid meeting Date	7th May 2026 (prospective Bidders are advised to mail their queries, at least by 4th May 2026 to Associate Vice President - C&P (Projects))
16.	Bid Submission closing Date	Latest by 18th May 2026
17.	Bid Submission	<p>Part 1: Technical Bids shall also be submitted thru Electronic Transfer (Sign & Scanned copies) and Hard Copies by Courier/in-person.</p> <p>Part 2: Commercial Offers including Price Bid shall be submitted in Sealed Envelope (in-person) only.</p>
18.	Bid Validity	180 days from the date of Bid submission date
19.	Eligibility Criteria (PQ: Pre-Qualification)	<p><u>Eligibility Criteria (TECHNICAL):</u></p> <p>A. The Bidder shall be a manufacturer/Joint Venture/ Consortium having experience in execution of Large Hydro Power Projects specifically in Hydro Pumped Storage Projects / Lift Irrigation Projects and related to E&M equipment viz., TG units with auxiliaries including Design, Engineering, Manufacturing, supply, erection, testing, commissioning and Performance Guarantee Testing.</p>

- B. The Bidder can submit the bid in its Individual capacity or in Joint Venture (JV) with another partner(s). In case of Joint Venture (JV), number of JV members should be limited to Three (3) and all JV members should combinedly meet the above requirements. All the JV members shall be **Jointly and severally responsible** for the execution of the total Contract.
- C. The Bidder/JV partner from whom the bidder intends to procure and supply E&M Equipment including Turbine and Generator should have commissioned E&M Equipment including Generator – Turbine & Pump-Motor for Hydro Electric Project /Lift Irrigation Scheme (LIS) with a minimum single unit capacity at least 200 MW and is in operation as on the date of submission of the bid without any major replacement.
- D. A member of joint venture that has submitted a bid in response to this tender notice shall not participate in the bid of another joint venture or individually for this project.
- E. Bidder should have capacity for design office backup and field backup having experience in Hydro Electric Power Project for Electro-Mechanical works and/or should have JV/MOU with such firm having experience.
- F. Any contractor/manufacturer who has concluded MOU with one Bidder who has submitted a bid in response to this notice shall not conclude MOU with another Bidder for this project.
- G. Further such JV Partners for all Bought out items, the Bidder should furnish a Back to Back Guarantee and 2% CPBG of their portion of the Contract Value to **Greenko Demwe Power Limited** for satisfactory performance of the Equipment, Spares, and Long-Term Services in addition to the Guarantees furnished by the Bidder.
- H. The Bidder or the manufacturers from whom the Bidder intends to Procure and supply the equipment, shall have an experience of at least 10 years in the field of manufacture of Hydro Electric Power Plant equipment including Vertical Francis Turbines and associated Generators and other accessories
- I. The Bidder should have adequate plant and manufacturing capacity available to perform the works properly and expeditiously within the time period specified. The evidence shall consist of written details of the installed manufacturing capacities and present commitments of the Bidder.
- J. The Bidder should have adequate field service organization, Machinery, Tools, Tackles required to provide the necessary field erection and management service required to successfully erect, test and commission the equipment as required by the specifications.
- K. The Bidder should have established quality assurance systems and organization designed to achieve high levels of equipment reliability during

manufacturing and operation.

- L. The Bidder has to furnish details of their technical capability along with his Bid as set out in Bid document with necessary supporting documents for evidence.
- M. In the event of any Indian Company submitting the Bid, the Parent company (outside India) must submit the "Parent Company Guarantee" to Employer for satisfactory execution of the scope of the Contract by their Indian Company

Financial Criteria:

- A. The Bidder/Lead Member have average annual financial turnover of in Electro-Mechanical works not less than **Rs. 1,000 Crores** during the last three consecutive Financial Years ending 31st March of previous financial year.
- B. In case of JV, Lead Member should have minimum annual financial turnover of in Electro-Mechanical works not less than **Rs. 700 Crores** during the last three consecutive Financial Years ending 31st March of previous financial year.
- C. In case of JV, each Member JV (other than Lead Member) should have minimum annual financial turnover of in Electro-Mechanical and or in GIS works not less than **Rs. 350 Crores** during the last three consecutive Financial Years ending 31st March of previous financial year.
- D. The Bidder/Lead Member should be net profit making at least 3 (Three) financial years in the preceding 5 years.
- E. The Bidders/JV members who have applied for CDR (Corporate Debt Restructuring) or NCLT during the past five financial years and as on the date of submission of the Bids are not eligible to participate in this Bid.
- F. The Bidder should have adequate financial capacity to meet the financial obligations (as mentioned elsewhere) pursuant to the Scope of Works. The Bidder/ Each JV member should submit their audited Financial Statements for the last 5 Years.
- G. The Bidder should have Liquid Assets and / or line of credit facility in their name for present work of an amount not less than **Rs 150 Crores** and certificate of confirmation to be obtained from Nationalized / Scheduled Banks
- H. In case of joint venture, the joint venture partners should have a legally valid agreement for "**Jointly and Severally responsible**" the joint venture group members must be a Hydro Power Project equipment manufacturer.

		<p>I. The above stated requirements are minimum, and the Employer (Greenko RJ01 IREP Private Limited) reserves the right to reject the proposal of any Bidder if in the opinion of the Employer either the qualification data is incomplete, or the Bidder cannot satisfactorily perform the works.</p> <p>J. The Employer also reserves the right to call for any additional Information and data besides reserving the right to reject the tender or Bid if the qualification of the Bidder is considered inadequate to satisfactorily perform the works in the opinion of the Employer</p> <p>K. Above PQ Criteria is applicable either individual or combined considering the Parent Companies /Group of respective Bidders</p>
20.	Officer Inviting Bids	AVP-C&P (IREP Projects),
21.	Address	<p>Greenko Demwe Power Limited 13, Sy.No.64 Part, Block-D, Third Floor, Hitech City Layout, Madhapur Village, <u>Hyderabad-500081,</u> Telangana, India, Ph: 040-40301700</p>
22.	Contact Details	<p>Bidders are required to submit their Expression of Interest (EOI) by reaching out to the following email IDs prior to the bid due date, in order to participate in the bidding process, obtain the bid documents, and submit any pre-bid queries.</p> <p>narasaiah.av@greenkogroup.com narasimharao.m@greenkogroup.com</p>
23.	Procedure for bid submission	<p>1) The Bidder should read and understand clearly the general instructions and terms & conditions of the tender document before submission of the tender.</p> <p>2) All the technical & PQ documents shall be submitted duly signed & stamped to the Authority as mentioned in the ICB. Further, these Technical & PQ documents shall be submitted in soft copies (through mail), duly signed & stamped (on all pages in pdf mode), scanned and send to the Authority as mentioned in the ICB.</p> <p>3) The Commercial / Priced documents shall be submitted duly signed & stamped to the Authority as mentioned in the ICB to reach the tender inviting authority (in sealed envelope). The List of the documents to be submitted is given in the Annexure.</p> <p>4) The Bids shall be quoted in INR only.</p> <p>5) The Bidder shall submit the bid and all related correspondence in English language only.</p>
24	Statutory Requirements	<p>The Bidders shall fulfil and furnish the following statutory requirements:</p> <p>a) Income tax Clearance Certificate: Bidder shall furnish copies of Permanent Account Number (PAN) card, latest IT returns and latest IT assessment orders.</p>

		<p>b) The Bidder should furnish the valid registration certificate along with Corporate Identity Number (CIN).</p> <p>c) The Bidder should furnish valid GST Registration Certificate</p>
25.	Documents to be submitted (Hard copies) to the Tender inviting authority	<p>The successful Bidder should furnish all the hard copies of the information submitted by him to be received by the tender inviting authority within the stipulated date as communicated by the tender inviting authority after finalizing the tender and before issue of LOA/Contract.</p> <p>If the documents uploaded or submitted in the hard copies are found to be fake / defective / manipulated at a later date, the bid will be cancelled, the bid security will be forfeited, and Bidder will be blacklisted.</p>
26.	Other relevant information	<p>1) GREENKO DEMWE POWER LIMITED reserves the right to reject any or all the tenders without assigning any reasons thereof.</p> <p>2) GREENKO DEMWE POWER LIMITED reserves the right to amend or modify the tender and its conditions before last date/time for submission of bids.</p> <p>3) The Bidders are requested to submit the original Bank Guarantees along with other hard copies required as soon as requested by the tender inviting authority.</p> <p>4) The Bidders should upload the technical documents duly stamped and signed on each and every page of the bid.</p> <p>For all clarifications and guidance, the Bidders may contact: narasaiah.av@greenkogroup.com narasimharao.m@greenkogroup.com</p>
27.	Superscription on Tender Cover (Hard Copies to be furnished on request from the tender inviting authority)	<p>The Bidders shall mention the following superscriptions on the tender cover:</p> <p>i) Tender Specification No. ii) Name of the Work iii) Due Date iv) EMD/BG PARTICULARS v) Validity of the Tender</p>
28.	Downloading the Bid Documents Our Website:	<p>The Bidder shall provide their official mail id for obtaining the link for downloading the Tender Documents.</p> <p>https://greenkogroup.com/tenders.php</p>

For GREENKO DEMWE POWER LIMITED

Sd/-
Authorized Signatory