

GREENKO MP01 IREP PRIVATE LIMITED

**Registered Office: Plot No 1366, Road No. 45, Jubilee Hills, Hyderabad,
Telangana, India, 500033.**

**TENDER SPECIFICATION No. MP01-PSP/GANDHI SAGAR/ELECTRO-MECHANICAL
PACKAGE/001 dated 17th Nov 2021**

**INTERNATIONAL COMPETITIVE BIDDING
(TWO PART BID)**

M/s Greenko MP01 IREP Private Limited Invites **Sealed Bids** from eligible Bidders / EPC Contractors. 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 Equipment from **Main Inlet Valve (MIV) to LV terminal connection of Generator/Motor transformer on EPC Basis on FIRM & FIXED Price till the completion of Project Schedule**

Brief scope includes (but not limited to):

A) For 5 x240 MW-Fixed Speed Machines

Electro Mechanical Equipment from MIV to LV terminal connection of Generator/Motor transformer, broadly consists of "Main Inlet Valve (MIV) and, its associated equipment, Pump-Turbine (5x240 MW-Fixed Speed Machines) and its Auxiliaries, Generator – Motor and its Auxiliaries, Governors, Static Excitation System, Static Frequency Converter (SFC), Starting Bus system connecting to all fixed machines with isolators and VCB's suitable for back to back and SFC starting mode (SFC Starting switchgears with SPBD and associated accessories), Phase Reversal Disconnecter Switch (PRDS), Isolated Phase Bus Duct (IPBDs), Associated LV switchgear for the auxiliaries under Contractor's scope, Complete plant SCADA, Instrumentation, Controls and Protection, Special interconnecting Cables & accessories" including supply of Critical Spares (15,000 Hrs) and Mandatory Spares and list of Recommended Spares which are required for 5 Years of Trouble Free operation

B) For 2x120 MW- Fixed Speed Machines

Electro Mechanical Equipment from MIV to LV terminal connection of Generator/Motor transformer, broadly consists of "Main Inlet Valve (MIV) and, its associated equipment, Pump-Turbine (2x120 MW- Fixed Speed Machines) and its Auxiliaries, Generator – Motor and its Auxiliaries, Governors, Static Excitation System, Starting Bus system connecting to all Fixed machines with isolators and VCB's suitable for back to back and SFC starting mode (SFC Starting switchgears with SPBD and associated accessories) Phase Reversal Disconnecter Switch (PRDS), Isolated Phase Bus Duct (IPBDs), Associated LV switchgear for the auxiliaries under Contractor's scope, SCADA, Instrumentation, Controls and

Protection, Special interconnecting Cables & accessories” including supply of Critical Spares (15000 Hrs) and Mandatory Spares and List of Recommended Spares which are required for 5 Years of Trouble Free operation.

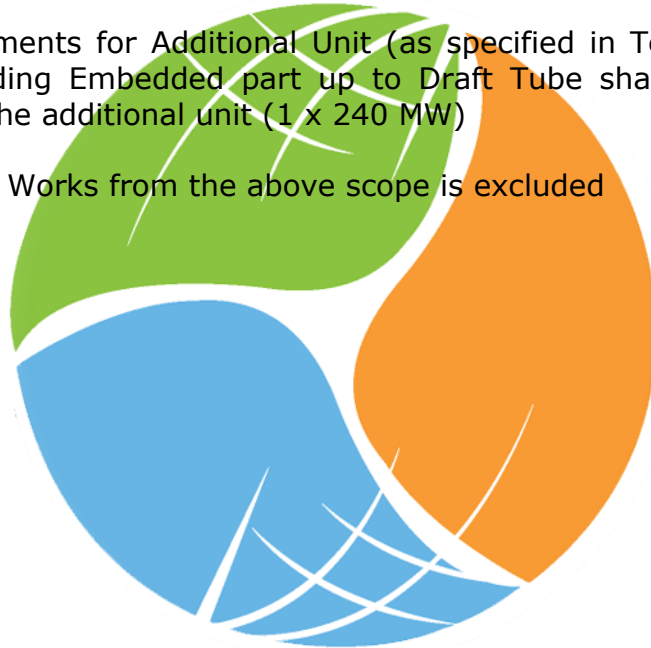
**C) SUPPLY, ERECTION, COMMISSIONING AND TESTING OF
ADDITIONAL UNIT:**

In the event, Employer decides to enhance the capacity of the Plant by installing One (1) more unit of 240 MW (Fixed Speed Machine), Employer may do so and Contractor has to supply, erect, Commission and Performance of Testing of Additional Unit at the same Price, terms & conditions of the Contract without any Price escalation whatsoever, if opted by Employer within Twelve (12) months from the date of Contract

Note:

Common requirements for Additional Unit (as specified in Technical Specification Document) including Embedded part up to Draft Tube shall be included in the above scope for the additional unit (1 x 240 MW)

Exclusions: Civil Works from the above scope is excluded



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VOLUME - I: PART - I

NOTICE INVITING TENDER
TENDER SPECIFICATION No. MP01-PSP/GANDHI SAGAR/ELECTRO-MECHANICAL
PACKAGE/001
(TWO PART BID)

1.	Name of the Project	1440 MW MP30 GANDHI SAGAR PUMPED STORAGE PROJECT (PSP)
2.	Company Name	GREENKO MP01 IREP PRIVATE LIMITED
3.	Tender Inviting Authority	A.V.P-C&P (IREP Projects)
4.	Tender Notice No.	MP01-PSP/GANDHI SAGAR/ELECTRO-MECHANICAL PACKAGE/001

International Competitive Bidding (ICB)

5.	Scope of Work	<p><u>For 5x240 MW-Fixed Speed Machines</u></p> <p>Electro Mechanical Equipment from MIV to LV terminal connection of Generator/Motor transformer, broadly consists of "Main Inlet Valve (MIV) and, its associated equipment, Pump-Turbine (5x240 MW-Fixed Speed Machines) and its Auxiliaries, Generator – Motor and its Auxiliaries, Governors, Static Excitation System, Static Frequency Converter (SFC), Starting Bus system connecting to all fixed machines with isolators and VCB's suitable for back to back and SFC starting mode (SFC Starting switchgears with SPBD and associated accessories), Phase Reversal Disconnecter Switch (PRDS), Isolated Phase Bus Duct (IPBDs), Associated LV switchgear for the auxiliaries under Contractor's scope, Complete plant SCADA, Instrumentation, Controls and Protection, Special interconnecting Cables & accessories" including supply of Critical Spares (15,000 Hrs) and Mandatory Spares and list of Recommended Spares which are required for 5 Years of Trouble Free operation.</p>
		<p><u>For 2x120 MW- Fixed Speed Machines</u></p> <p>Electro Mechanical Equipment from MIV to LV terminal connection of Generator/Motor transformer, broadly consists of "Main Inlet Valve (MIV) and, its associated equipment, Pump-Turbine (2x120 MW- Fixed Speed Machines) and its Auxiliaries, Generator – Motor and its Auxiliaries, Governors, Static Excitation System, Starting Bus system connecting to all Fixed machines with isolators and VCB's suitable for back to back and SFC starting mode (SFC Starting switchgears with SPBD and associated accessories), Phase Reversal Disconnecter Switch (PRDS), Isolated Phase Bus Duct (IPBDs), Associated LV switchgear for the auxiliaries under Contractor's scope, SCADA, Instrumentation, Controls and Protection, Special interconnecting Cables & accessories" including supply of Critical Spares (15000 Hrs) and Mandatory Spares and List of Recommended Spares which are required for 5 Years of Trouble Free operation.</p> <p>Exclusions: Civil Works from the above scope is excluded</p>

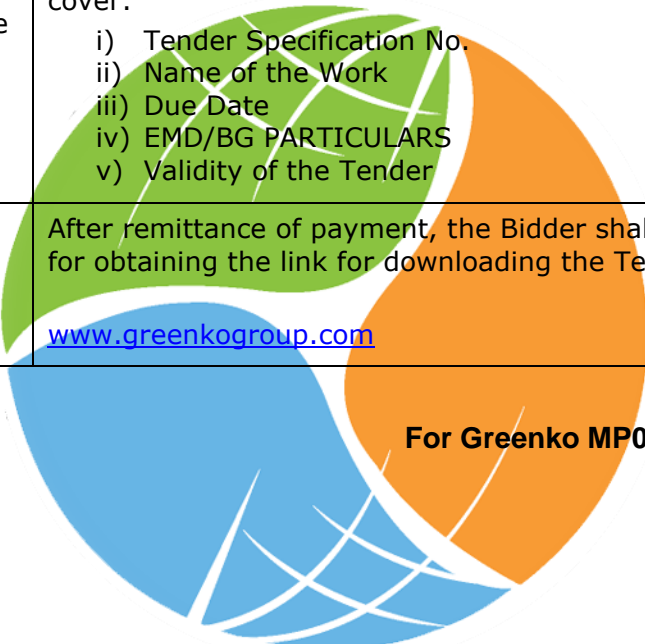
		This Tender is on EPC basis for complete Scope as defined above and Contract Price shall be FIRM & FIXED throughout the Performance of the Contract without any Price Escalation whatsoever be the reasons on any ground.
6.	Capacity and Location of the work	1440 MW MP30 GANDHI SAGAR PUMPED STORAGE PROJECT (PSP) on EPC -Turnkey basis for complete Electro-Mechanical Works at Khemla Block village, Neemuch dist., Madhya Pradesh, 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	24 months from the Effective Date. {Bidders to provide detailed milestone schedule-Unit wise COD}
11.	Bid Security (EMD) (Please refer to Clause No: 10 of V (Instruction to Bidders-ITB))	Rs.1.00 Crores [Rupees One Crore only] The EMD can be paid in the form of a Bank Guarantee from any Nationalized/Scheduled/International banks through confirmation by Indian Nationalized Banks and Original Bank Guarantee shall be submitted along with Tender.
12.	Bid Security Payable to	a) The Bank Guarantee shall be obtained in favor of M/s Greenko MP01 IREP Private Limited from any Nationalized/ Scheduled/ International banks through confirmation by Indian Nationalized Banks in the prescribed format (refer to the Annexures). The EMD B.G. shall have the validity up to 180 Days from the date of Bid submission date. b) Addressed to Associate Vice President, C&P (IREP Projects)
13.	Contract Performance Bank Guarantee	Contract Performance Guarantee shall consist of two parts. (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 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. 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.
14.	Schedule Available Date	17th November 2021 , Onwards
15.	Pre-Bid meeting Date	29th November 2021 (prospective Bidders are advised to mail their queries, at least by 27th November 2021 to prakash.c@greenkogroup.com)
16.	Bid Submission closing Date	17th December 2021
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>Eligibility Criteria (TECHNICAL):</p> <p>A. The Bidder shall be a manufacturer 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> <p>B. The Bidder shall have the capacity for design, manufacture 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 150 MW and is in operation as on the date of submission of the bid without any major replacement.</p> <p>C. Bidder should have capacity for design office backup and field backup having experience in execution of Hydro Electric Power Project including Electro- Mechanical equipment.</p> <p>D. The Bidder or the manufacturers 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, Excitation equipment, Hydraulic and Electrical Governing equipment, Control and Protection equipment, and other accessories</p> <p>E. 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.</p> <p>F. 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,</p>

		<p>test and commission the equipment as required by the specifications.</p> <p>G. The Bidder should have established quality assurance systems and organization designed to achieve high levels of equipment reliability during manufacturing and operation.</p> <p>H. 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.</p> <p>I. 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</p> <p>Financial Criteria:</p> <p>A. The Bidder 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.</p> <p>B. The Bidder should be net profit making at least 3 (Three) financial years in the preceding 5 years</p> <p>C. The Bidders 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.</p> <p>D. The Bidder should have adequate financial capacity to meet the financial obligations (as mentioned elsewhere) pursuant to the Scope of Works. The Bidder should submit their audited Financial Statements for the last 5 Years</p> <p>E. 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 100 Crores and certificate of confirmation to be obtained from Nationalized / Scheduled Banks</p> <p>F. The above stated requirements are minimum and the Employer (Greenko MP01 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>G. 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>H. 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), Greenko MP01 IREP Private Limited

21.	Address	Greenko MP01 IREP Private Limited # Plot No 1366, Road No. 45, Jubilee Hills, Hyderabad, Telangana, India, 500033.
22.	Contact Details	All Queries to be addressed to: prakash.c@greenkogroup.com
23.	Procedure for bid submission	<ol style="list-style-type: none"> 1) The Bidder should read and clearly understand the general instructions and terms & conditions of the tender document before submission of the tender. 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. 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. 4) The Bids shall be quoted in INR/USD/EURO only 5) The Bidder shall submit the bid and all related correspondence in English language only.
24	Statutory Requirements	<p>The Bidders shall fulfil and furnish the following statutory requirements:</p> <ol style="list-style-type: none"> a) Income tax Clearance Certificate: Bidder shall furnish copies of Permanent Account Number (PAN) card, latest IT returns and latest IT assessment orders. b) The Bidder should furnish the valid registration certificate along with Corporate Identity Number (CIN). c) The Bidder should furnish valid GST Registration Certificate
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 MP01 IREP PRIVATE LIMITED reserves the right to reject any or all the tenders without assigning any reasons thereof.</p> <p>2) GREENKO MP01 IREP PRIVATE 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: prakash.c@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> <ul style="list-style-type: none">i) Tender Specification No.ii) Name of the Workiii) Due Dateiv) EMD/BG PARTICULARSv) Validity of the Tender
28.	Downloading the Bid Documents Our Website:	<p>After remittance of payment, the Bidder shall provide their official mail id for obtaining the link for downloading the Tender Documents.</p> <p>www.greenkogroup.com</p>



For Greenko MP01 IREP Private Limited

**Sd/-
Authorized Signatory**