

GREENKO AP01 IREP PRIVATE LIMITED**Registered Office: Plot No. 1366, ROAD NO. 45, JUBLIEE HILLS, HYDERABAD-500033****TENDER REF No. AP01 IREP/PINNAPURAM/ASSS/005, DATED 23rd JULY 2021****INTERNATIONAL COMPETITIVE BIDDING - NOTICE INVITING TENDER****(TWO PART BID)**

Greenko is one of India's leading Renewable Energy companies, replacing fossil fuels with integrated decarbonized energy and grid assets enabling sustainable and affordable energy, with a net installed capacity of 7.2 GW dc across 15 States in India.

Greenko AP01 IREP Private Limited is a SPV formed to develop and construct an "Integrated Renewable Energy Project (IREP)" and it is part of Greenko Group

Integrated Renewable Energy Project (IREP) has been conceived as the World's First & Largest Gigawatt Scale integrated project with Solar, Wind and Pumped Storage components that can supply Schedulable Power On Demand (SPOD) which is Dispatchable & Schedulable Renewable Energy for the first time to consumers across India.

Greenko AP01 IREP Private Limited ("**Employer**" or "**GAP01**") invites bids from eligible Bidders / Contractors for **ASPHALT SURFACE SEALING SYSTEM FOR ROCKFILL DAM AND TRC (TAIL RACE CHANNEL) LINING** on International Competitive Bidding (ICB) basis.

Project: 1200 MW Pumped Storage Project (PSP) under the scheme of **Integrated Renewable Energy Project (IREP)**, located at **Pinnapuram, Kurnool Dist., Andhra Pradesh, India.**

Implementation of the ASSS Package has been envisaged and shall be executed on **FIRM & FIXED** Price basis with **Completion Time Guarantee.**

Brief Scope of Work under this package is detailed hereunder.

Brief scope includes (but not limited to): ASPHALT SURFACE SEALING SYSTEM

Construction of the Asphalt Surface Sealing System (ASSS) on rockfill Dams (AFRD), TRC and in Intake Areas (as shown on the corresponding drawings)/ includes placing and compaction of 2B filters, application of the prime and tack coat, placing and compaction of the layers of the asphalt surface sealing system, Bituminous coat. The Asphalt Concrete Contractor (ACC) shall properly backfill Mastic Pockets, embed the Copper Water Stoppers into the asphalt and place the Glass Grid. All joints shall be properly sealed and treated. The ACC shall provide sufficient adequate men, machinery, tools & tackles, equipment, handling, testing of material to satisfy the requirements given in the technical specifications and to reach the envisaged placing rate. Transportation of asphalt from the mixing plant to the placing unit will be done by the ACC. All works need to satisfy the given requirements in the technical specifications

Scope of Works under Asphalt Surface Sealing System:**A) Contractor Scope:**

1. Design of Asphalt Surface Sealing System
2. Supply, Operation & Maintenance of **Construction Equipment/ Machinery** (Including Operators to be provided by Contractor)
 - i) Main winch for pavers
 - ii) Special pavers for in the slope
 - iii) Hopper /feeding wagons
 - iv) Roller winches
 - v) Special vibrating rollers
 - vi) Mastic cooker
 - vii) Spraying dumper
 - viii) Various equipment for joint treatment/ auxiliary works
 - ix) Various workshop/ material containers
 - x) Fully equipped Laboratory Container

Any other equipment required for Asphalt Surface Sealing System, which the Contractor considers deemed fit and is required for completion of Scope of Works. The Contractor is requested to add the additional machinery required other than specified above which are required for completion of Scope of Works.

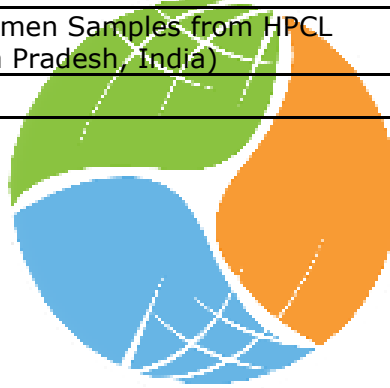
3. Supervision (Field and Lab) of Asphalt Surface Sealing System
4. Quality Assurance and Quality Control
5. Laying of Graded Filter
6. Supervision and Quality control at Mixing plant
7. Laying of Asphalt
8. Transportation of Asphalt Mix
9. Operation of other Equipment arranged by the Employer to Contractor (as specified below). Operators for the below machinery shall be arranged by Employer:
 - i) Wheel Loaders
 - ii) Mobile Generators
 - iii) Compressors
 - iv) Mobile Water cistern
 - v) Excavators
 - vi) Dumpers
 - vii) Various pickups/ light vehicles

B) Employer's Scope:

1. Supply of Asphalt material at Mixing Plant
2. Design and Supply of Filler Material
3. Supply of other Equipment as specified above in A.9 (with Operators)
4. Operation of Mixing Plant
5. Other materials (Mastic, Copper Water stops etc)

CONTENTS

S. No	Document Description	Document Number
Vol. I	CONTRACT	
	Notice Inviting Tender (NIT)	Volume-I-Part-I
	Instructions to Bidders (ITB)	Volume-I-Part-II
Vol II		
	Special Conditions of Contract (SCC)	Volume-II-Part -I
Vol. III	Technical Information	
	Asphalt Surface Sealing System - Plates and BoQ	Volume III - Part I (R-4649.00.008 Rev 0)
	Asphalt Surface Sealing System - Technical Specifications	Volume III - Part II (R-4649.00.004 Rev 0)
	Characterizations of Bitumen Samples from HPCL (Visakhapatnam, Andhra Pradesh, India)	Volume III - Part III (R-4649.00.007 Rev 0)



GREENKO AP01 IREP PRIVATE LIMITED

Registered Office: Plot No. 1366, ROAD NO. 45, JUBLIEE HILLS, HYDERABAD-500033

TENDER REF. No. AP01 IREP/PINNAPURAM/ASSS/005**VOLUME - I: PART - I****NOTICE INVITING TENDER (NIT)- INTERNATIONAL COMPETITIVE BIDDING****NIT-ICB NO: AP01 IREP/PINNAPURAM/ASSS/005****(TWO PART BID)**

1.	Name of the Project	1200 MW Pumped Storage Project (PSP)
2.	Company Name	GREENKO AP01 IREP PRIVATE LIMITED
3.	Tender Inviting Authority	C&P Department (IREP Projects)
4.	Tender Notice No.	<u>AP01 IREP/PINNAPURAM/ASSS/005</u>

Notice Inviting Tender (NIT)-International Competitive Bidding (ICB)

5.	Scope of Work	<p>Brief scope includes (but not limited to):</p> <p>ASPHALT SURFACE SEALING SYSTEM (ASSS)- Construction of the Asphalt Surface Sealing System (ASSS) on rockfill Dams (AFRD), TRC and in Intake Areas (as shown on the corresponding drawings)/ includes placing and compaction of 2B filters, application of the prime and tack coat, placing and compaction of the layers of the asphalt surface sealing system, Bituminous coat. The Asphalt Concrete Contractor (ACC) shall properly backfill Mastic Pockets, embed the Copper Water Stoppers into the asphalt and place the Glass Grid. All joints shall be properly sealed and treated. The ACC shall provide sufficient adequate men, machinery, tools & tackles, equipment, handling, testing of material to satisfy the requirements given in the technical specifications and to reach the envisaged placing rate. Transportation of asphalt from the mixing plant to the placing unit will be done by the ACC. All works need to satisfy the given requirements in the technical specifications as per the drawings and Technical Specifications enclosed along with this Tender.</p> <p>The Bidder must submit their offer as stated above.</p> <p>This Tender shall be on <u>FIRM & FIXED Price Basis</u> throughout the completion period of the Contract without any Price Escalation whatsoever be the reasons.</p>
6.	Package Location of the work	ASPHALT SURFACE SEALING SYSTEM (ASSS) Pinnapuram Village, Panyam Mandal, Kurnool Dist., Andhra Pradesh, India
7.	Tender Type	Tenders through "Notice Inviting Tender" (International Competitive Bidding) Two Part type: Part - I: Pre-Qualification & Technical Bid Part - II: Price Bid and Commercial Terms & Conditions

8.	Tender Category	FIRM & FIXED Price basis throughout the Contract Completion Period (Tender through International Competitive Bidding)
9.	Period of Completion	10 months from the date of readiness of Work Front (excluding Mobilization)
10.	Defects Liability Period	2 years from the date issuance of Acceptance Certificate
11.	Warranty	10 years from the date issuance of Final Acceptance Certificate
12.	Contract Performance Bank Guarantee	<p>Contract Performance Bank Guarantee (CPBG) towards Contract Performance Security for 10% value of the Contract, which is to be submitted upon award of the Contract</p> <p>The successful Bidder shall furnish a Contract Performance Bank Guarantee (CPBG) for 10% of Contract value within one month from the date of Letter of Award/same day on Signing of the Contract whichever is earlier, towards the "Performance of the Contract" in the prescribed proforma (enclosed in the Tender Document). These CPBG shall remain valid till the completion & issuance of acceptance certificate + Defect Liability Period of all the ASSS Works, with a claim period of 90 days over and above the guarantee period.</p> <p>The Contract Performance Bank Guarantee shall be released on successful completion of Defects Liability Period (DLP) including extensions thereof, if any or issuance of Acceptance Certificate, after completion of Defects Liability Period whichever is later.</p>
13.	Schedule Issuance of NIT Documents	23rd July 2021 Onwards
14.	Pre-Bid meeting Date & Time	12th August 2021
15.	Bid Submission closing Date	30th September 2021
16.	Bid Submission (in separate sealed envelopes)	<p>Part I: Technical Bids shall be submitted through Electronic Transfer (Sign & Scanned copies by e-mail)</p> <p>Part II: Commercial Offer (Price Bid) shall be submitted by Courier to the Tender Inviting Authority as specified below.</p> <p>Both Technical & Commercial offers shall be submitted as per Bid Closing date mentioned above.</p>
17.	Bid Validity	180 days from the date of submission of Bid

18.

Eligibility Criteria

Minimum Eligibility Criteria:

The Bidder should satisfy the following conditions.

Qualification of Bidder will be based on meeting the minimum criteria as specified below regarding the Bidder's technical experience and financial position as demonstrated by the bidder's responses in the corresponding bid schedules.

Employer reserves the right to waive minor deviations if they do not materially affect the capability of the Bidder to perform the contract.

The Employer may assess the capacity and capability of the bidder, to successfully execute the scope of work covered under the package within stipulated completion period. This assessment shall inter-alia include (i) document verification; (ii) manufacturing capacity, details of works executed, works in hand, anticipated in future & the balance capacity available for present scope of works; (iv) details of plant and machinery, manufacturing and testing facilities, manpower and financial resources; (v) details of quality systems in place; (vi) past experience and performance; (vii) customer feedback; (viii) banker's feedback etc.

A. FINANCIAL CRITERIA:

i) The Sole Bidder should have achieved annual financial turnover of not less than **USD 70 Million** in any two financial years during last 5(Five) Financial Years

ii) If the Bidder proposes JV with Indian Civil Contractor, then the JV Party should have minimum turnover of Rs. 500 Crores during last financial year.

iii) PQ for JV Partner:

The J.V. Partner shall have completed at least one work rock fill dam and having a minimum height not less than **30 m** during last **Seven Financial Years and up to bid due date**. Further the JV Partner should also have experience in Asphalt works.

B. Other PQ Requirements:

i) The Bidder should have adequate financial capacity to meet the financial obligations (as mentioned elsewhere) pursuant to the scope of the works.

		<p>ii) The Bidder should have adequate Construction Equipment, Machinery, Plant and Tools & Tackles available to perform the works properly and expeditiously within the time period specified in the Bid document with necessary supporting documents for evidence</p> <p>iii) The Bidder should have established quality assurance systems including setup of fully equipped laboratory for testing of Asphalt material and organization designed to achieve high levels of quality and reliability during execution of ASSS works</p> <p>iv) The Bidder has to furnish details of their technical capability along with their Bid with necessary supporting documents for evidence.</p> <p>v) The above stated requirements (mentioned in technical criteria, financial criteria, other criteria) are minimum and the Employer (Greenko AP01 IREP Private Limited) reserves the right to call for any additional information and data besides reserving 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>i) The bidder should own / lease / procure the minimum tools & plants required for the execution of the works in time as per the contract period. The required Tools & Plants shall be indicated together with quantity.</p> <p>ii) The bidder should indicate number of technical persons along with their qualifications available with them for execution of ASSS works.</p> <p>Notwithstanding anything stated above, the Employer reserves the right to assess bidder's capability and capacity to perform the contract should circumstances warrant such an assessment in the overall interest of the Employer</p>
19.	Officer Inviting Bids	A.V.P -C&P (IREP Projects)- Greenko AP01 IREP Private Limited
20.	Address (Communication)	<p>Greenko AP01 IREP Private Limited #1131/A, Sai Square, Road No.36, Jubilee Hills, Hyderabad - 500 033, Telangana, India</p>
21.	Contact Details	<p>All Queries to be addressed to: AVP – Contracts & Procurement E-mail id: prakash.c@greenkogroup.com # +91 40 4030 1700, Extn.: 1997</p>

22.	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 NIT. 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. 3) The Commercial / Priced documents shall be submitted duly signed & stamped to the Authority to reach the tender inviting authority (in sealed envelope). 4) The Bids shall be quoted in Indian Rupees (INR) or US Dollars or EURO or currency freely convertible in India 5) The Bidder shall submit the bid and all related correspondence in English language only.
23.	Statutory Requirements	<ol style="list-style-type: none"> a) The Bidder should furnish the valid registration certificate b) Other supporting documents if any
24.	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 them 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. 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.</p>
25.	Other relevant information	<ol style="list-style-type: none"> 1) Employer reserves the right to reject any or all the tenders without assigning any reasons thereof. 2) Employer reserves the right to amend or modify the tender and its conditions before last date/time for submission of bids. 3) The Bidders should upload the technical documents duly stamping and signing each and every page of the bid. <p>For all clarifications and guidance, the Bidders may contact:</p> <p>A.V.P (C&P), GREENKO AP01 IREP PRIVATE LIMITED, #1131/A, Sai square, Road No.36 Jubilee Hills, Hyderabad - 500 033, Telangana, India E mail id: prakash.c@greenkogroup.com # +91 40 4030 1700 Extn: 1997</p>

26.

Superscription on Tender Cover (Hard Copies to be furnished on request from the tender inviting authority)

The Bidders shall mention the following superscriptions on the tender cover:

- i) Tender Specification No.
- ii) Name of the Work
- iii) Due Date
- iv) Validity of the Tender

For Greenko AP01 IREP Private Limited

**Sd/-
Authorized Signatory**

