SECTION - I

INVITATION FOR BIDS (IFB)

	INVITATION FOR BIDS			
	IRCON RENEWABLE POWER LIMITED			
E	INVITATION FOR BIDS (IFB) FOR PC PACKAGE WITH 220kV SUBSTATION FOR CTU GRID CONNECTE 500MW/ 600MWp) AT PAVAGADA IN STATE OF KA			
	(Domestic Competitive Bidding)			
IFB No.: IRPL/SOLAR/EPC AND MODULE PACKAGE/3 Date: 29.08.2022				
Bidding	J Document No: IRPL/SOLAR/EPC AND MODULE PACKAGE/3			
1.0	IRCON RENEWABLE POWER LIMITED (IRPL) invites online bids from	eligible bidders on Single		
	Stage Two Envelope (i.e., Envelope-I: Techno-Commercial Bid and	d Envelope-II: Price Bid)		
	tendering for EPC PACKAGE WITH 220 KV SUBSTATION FOR CTU GR			
	SOLAR PV PROJECTS (500MW/600MWp) AT PAVAGADA IN STAT	TE OF KARNATAKA		
2.0	BRIEF SCOPE OF WORK			
	Design, Engineering, Manufacturing, Supply, Packing and Forwarding, In Transportation, Unloading, Storage, all related and associated civil works of grid-connected 500MW/600MWp Solar PV projects and Operation & N (03) years from the date of full capacity commissioning located at Pavaga complete turnkey basis.	s, Installation and Commissioning laintenance for a period of Three		
	Capacity to be quoted by a bidder: 500MW/600MWp with block size as	per bidding document		
	PV Cells & Modules: DCR (Domestic Category Requirement) Category			
	 The scope includes the following but not limited to: Supply of bi-facial PV Solar Modules with an average wattage of 540 All EPC works required for Development of Solar PV Project with DCF PV Modules and 220 KV substation as per detailed technical Spect standards. Project commissioning and Performance testing for demonstration of at interconnection point at CTU substation. Operation & maintenance of complete Solar PV plant including 220 K evacuation system till interconnecting grid substation (including grid swith consumables and spare parts for a period of Three (03) years from commissioning of full capacity. Conducting Hydrology, Geotech, Topography and PSSE studies. Receipt, unloading at Site, storage, installation, testing and commission. Design and construction of foundation and erection of module module module for PV panels including fixing of PV modules on trackers Piling along with supply & erection of Trackers 	R (Domestic Category Requirement) cifications and applicable technical Guaranteed Generation V substation and power substation bays) along om the date of ioning of solar PV module. inting structure (MMS) with tracker		
	9. Providing power supply and water supply for construction purpose.			

	10. Construction of pre-engineered type inverter room (if applicable) with power conditioning units associate LT and HT switchgears. In case of string inverters, construction of pre-engineered type HT switchgear room.			
	 Construction of central monitoring and control stations with switchgear room, SCADA rooms, storer battery room, with all electrical fittings and furniture along with security cabins etc. All associated electrical and civil works required for interfacing with grid, i.e Transformers, pa protection systems, cables, metering system, grid compliance study as per regulations etc 			
 Protection of optimity optimity optimity optimity optimities of addy do per regulation of evacuation of power to switchyard. 13. Supply and construction of 220KV switchyard along with power transformer. 14. Supply and erection of robotic cleaning for the PV Solar Plant. 15. Construction of internal roads and pathways etc. 16. SCADA system for remote monitoring and control of inverters with all hardware and softward complete set of weather monitoring system including cloud cover. 17. Securing permits and approvals as per Permit and Approval matrix 18. Comprehensive operation and maintenance of all assets of solar PV plant along with all e equipment including but not limited to 220kV switchyard, transmission line and Bay extension substation with consumables and spare parts for a period of three (3) years from the commissioning of full project capacity in MWp DC 19. Site Security from construction period and up to end of O&M period of Three (03) Years 20. Supply of Mandatory Spares. 				
	 Specific Exclusions 1. Identification, acquisition, and complete transfer of ownership/lease of encumbrance free land in favor of IRPL and construction of boundary wall. 2. Identifying and arranging Grid Connectivity at CTU substation. 3. EPC of 220kV Transmission Line and bay extension at CTU substation. 			
	The detailed scope of work is as defined in the bidding docume MODULE PACKAGE/3	ent No.: IRPL/SOL	AR/EPC AND	
3.0		rrangement.		
4.0	4.0 Detailed specification, Scope of work and Terms & Conditions are given in the bidding documents, which are available for examination and downloading at e-tender portal (as specified in this notice) and as per the following schedule:			
	CPP Portal Tender Search Code (TSC)	IRPL/SOLAR/EP PACKAGE/3	C AND MODULE	
	IFB Date	29 August 2022		
Period of Downloading of Bidding Documents From 29 August 2022 t September 2022 [up to (IST)]				
	Pre Bid Conference and Last Date for receipt of queries from prospective Bidders 7 Sep-2022 11:00 :00 (IST)		0 :00 (IST)	
	Last date and time for receipt of Techno- commercial bids and Price bids	20-Sep-2022	15:00:00 (IST)	
	Date & Time of opening of Techno-Commercial Bid	21-Sep-2022	15:00:00 (IST)	
Cost of Bidding Documents in INR Cost of Bidding Documents in INR R Cost of Bidding Documents in INR Cost of Bidding Documents in IN		hrough NEFT/		

All bids must be accompanied by Bid Security/EMD for an amount of I <u>NR 11,49,50,000/-</u> (Indian Rupees Eleven Crores Forty-Nine Lakhs and Fifty Thousand Only) as mentioned below and, in the form, as stipulated in the Bidding Documents:
ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE "BID SECURITY/EMD" IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.
Earnest Money / Bid Security The tenderer must furnish the Earnest Money as indicated in 'Appendix to Tender' for the work as specified failing which the tender shall be summarily rejected. The Earnest Money may be in any one of the following forms: Pay Order/Demand Draft of any Scheduled Bank in India in favour of Ircon Renewable Power Limited payable at a place as given in Appendix to Tender. It is mandatory for bidders to provide their Banker's details (Name of Bank & Branch) along with their own bank details (Account No., Name of Account Holder, NEFT/RTGS details). Fixed Deposit Receipt issued by any Scheduled Bank in India endorsed in favour of IRCON RENEWABLE POWER LIMITED.
EMD value up to Rs 10.00 Lacs must be in the form of Pay Order/DD/FDR. In addition, EMD may also be paid through NEFT or RTGS in IRPL's bank account no.: Beneficiary Name: Ircon Renewable Power Ltd. Axis Bank Current Account No. 922020009578697, Branch-Square One, Saket, New Delhi-110017, IFSC-UTIB0004122" payable at New Delhi and email ID: emdbg@ircon.org In case of EMD amount being more than 10 Lacs it can also be deposited in the form of irrevocable bank guarantee valid for minimum 180 days beyond the last date of submission of bid, issued by schedule bank as per the format enclosed at Section VII of BOOK 3 of 3 – BID SECURITY FORM under the BIDDING DOCUMENT. BG not valid for 180 days beyond the last date of submission of bid, will not be considered a valid EMD instrument. The Bid must be made invokable at any branch in Delhi/NCR of the issuing bank.
The schedule bank issuing the bank guarantee must be on the Structure Financial Messaging System (SFMS) platform. A separate advice of the BG shall invariably be sent by the issuing bank to the Employer's bank through SFMS and only after this, the BG shall become operative and acceptable to the employer.
Earnest Money in the form of Pay Order/DD/FDR/BG shall be scanned & uploaded through online e- Procurement process. Further EMD in original form along with a copy of 'SFMS – Messaging Report' sent by the BG issuing Bank sealed in an envelope must be received by Employer at the address specified in the "e- procurement Notice not later than the prescribed date and time for e-bid submission. Proof of transaction towards payment of Earnest Money through NEFT or RTGS shall be scanned either in PDF or JPEG format such that file size is not more than 5 MB and uploaded during the online submission of the e-bid not later than the prescribed date and time for e-bid submission. No interest shall be allowed on Earnest Money Deposit.
In addition, the bidder is also allowed to submit the hard copy of BG to any of the nearest office of IRCON and obtain an acknowledgement from the particular IRCON's office where they have submitted the hard of BG in original and upload the scanned copy of the same BG and acknowledgement along with other documents uploaded by them
Forfeiture of Earnest Money: The Earnest Money of the tenderer shall be forfeited if he withdraws his tender after opening of the tender during the period of tender validity specified or extended validity period as agreed to in writing by the tenderer.

The Earnest Money of the successful tenderer is liable to be forfeited if he fails to;
sign the Contract Agreement in accordance with the terms of the tender, or
furnish the Performance Guarantee in accordance with the terms of the tender, or
commence the work within the time period stipulated in the tender.
In case of forfeiture of EMD, the tenderer shall be debarred from bidding in case of re-invitation of the
tenders.
Return of Earnest Money:
The Earnest Money of the unsuccessful tenderers in the form of FDR/BG shall be discharged and
returned as promptly as possible and the Earnest Money in the form of DD/Pay Order/ NEFT or RTGS
shall be directly credited to his bank account through Electronic Fund Transfer, under advice to the
bidder.
The Earnest Money Deposit of the successful tenderer shall be dealt as under:
If the Earnest Money Deposit is in the form of Fixed Deposit Receipt (FDR)/Bank Guarantee (BG), the
FDR/BG shall be returned after deduction of an equivalent amount from the first on account bill and
further deduction of retention money from the bills shall commence after adjusting this EMD amount.
If the Earnest Money Deposit (EMD) is in the form of Demand Draft/Pay Order/ NEFT or RTGS, the
same shall be retained towards retention money and further deduction of retention money from the bills
shall commence after adjusting this EMD amount.

6.0 Qualifying Requirements for Bidders:

1.0 TECHNICAL CRITERIA

1.1 The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 80 MWp or higher, out of which at least one plant should have been of 20 MWp or higher capacity. The reference plant of 20 MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening.

AND

The Bidder should have executed at least one (1) Electrical Sub-station of 220 kV or above voltage level, consisting of equipment such as 220kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least one (1) year prior to the date of techno-commercial bid opening.

The Electrical Substation should have been directly executed by Bidder or by its nominated sub-contractor. Details of the nominated sub-contractor should have been declared along with the technical bid along with credentials.

OR

1.2 The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 80 MWp or higher, out of which at least one plant should have been of 20 MWp or higher capacity. The reference plant of 20 MWp or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening.

AND

The Bidder should have executed at least one (1) Electrical Sub-station of 220 kV or above voltage level, consisting of equipment such as 220kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least one (1) year prior to the date of techno-commercial bid opening.

The Electrical Substation should have been directly executed by Bidder or by its nominated sub-contractor. Details of the nominated sub-contractor should have been declared along with the technical bid along with credentials.

OR

1.3(a) The Bidder should have executed in the last ten (10) years an industrial project either as developer or as EPC Contractor in the area of power/ steel/ oil and gas/ petro-chemical/ fertilizer/cement/coal mining including coal handling plant and/ or any other process industry, of a value of Rs. 180 Crores (Indian Rupees One Hundred Eighty Crores Only) or more in a single project or single work and the same should be in successful operation for at least one (1) year prior to the date of techno-commercial bid opening.

1.3(b) The Bidder should have executed at least one (1) Electrical Sub-station of 220 kV or above voltage level, consisting of equipment such as 220kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least one (1) year prior to the date of techno-commercial bid opening.

The works referred at clause 1.3 (a) & 1.3 (b) can be in same or different projects.

OR

1.4 The bidder should be an Indian company registered in India and should be Group company/Holding Company/Subsidiary company of a firm meeting the requirement (s) of Clause 1.1 or 1.2 or 1.3 above. In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.1 or 1.2 or 1.3 and the Bidder along with its bid for complete performance of the contract jointly or severally as per format enclosed in the bid document failing which the Bidder's bid is liable to be rejected.

Notes for Clause 1.0

- a. The reference SPV based grid-connected power plant of 20 MWp or above capacity should be at a single location developed by Bidder for itself or any other client.
- b. For clause 1.1 & 1.3, bidder shall submit certificate of successful completion and operation from the Owner. However, if bidder in clause 1.3 is a developer, certificate of successful commissioning of t h e project issued from Government Renewable Nodal Agency/Government Enterprise/ Discom/ Electricity Board etc and evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc shall be submitted.
- d. For Clause 1.3, bidder shall submit documentary evidence for the value of the project certified by a Chartered Accountant.
- e. Direct/Indirect Order

The bidder shall also be considered qualified, in case the award for executing the reference work has been received by the bidder either directly from the owner of the plant or any other intermediary organization. In such a case, a certificate from such owner of plant or any other intermediary organization shall be required to be furnished by the bidder along with its techno-commercial bid in support of bidder's claim of meeting the qualification requirement as per clause 1.1 and 1.3 above. Bidder shall also submit a certificate of successful completion and operation from the Owner.

- f. For Clause 1.2, bidder shall submit certificate of successful commissioning of the project issued from Government Renewable Nodal Agency/ Government Enterprise/ Discom/ Electricity Board etc.
- g. For Clause 1.2, bidder shall submit evidence of successful operation from intermediary procurer/procurer/Discom/ Electricity Board etc.
- h. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.

- i. The execution of industrial project as EPC Contractor under Clause No. 1.3 means, such EPC Contractor is responsible for all the activities i.e. Design/Engineering, Procurement, Construction (with/without civil works) and Commissioning of a project/work.
 - j. The portion of work related to power transformer such as supply and or installation mentioned at cl. no. 1.3 (b) can either be done by EPC contractor by themselves or by the owner.
 - k. EPC projects with solar PV module supplied by developer/owner as free issue item to EPC contractor shall also be considered eligible for route 1.1 of QR.

2.0 FINANCIAL CRITERIA

2.1 The average annual turnover of the Bidder should not be less than **Rs. 180 Crores (Indian Rupees One Hundred Eighty Crores Only)**, for **any three financial years out of the preceding five financial years** as on date of techno commercial bid opening.

In case a Bidder does not satisfy the annual turnover criteria, stipulated above on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid- up share capital of the Holding Company. In such an event, the Bidder would be required to furnish along with its techno-commercial bid, a Letter of Undertaking from the Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.

2.2 Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (hundred percent) of bidder's paid-up share capital. In case the Bidder does not satisfy the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary (ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable, the Net worth of the Bidder and its Subsidiary (ies) and/or Holding Company, in combined manner should not be less than 100% (hundred percent) of their total paid up share capital. However individually, their Net worth should not be less than 75% (seventy-five percent) of their respective paid up share capitals.

Net worth in combined manner shall be calculated as follows:

Net worth (combined) = (X1+X2+X3) / (Y1+Y2+Y3) X 100 where X1, X2,X3 are individual Net worth which should not be less than 75% of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

2.3 In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:

(a) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.

(b) Certificate from the CEO/ CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on date of techno commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of any three out of five consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on techno-commercial bid opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 2.0

- a. Net worth means the sum total of the paid up share capital and free reserves. Free reserves means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further, any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.
- b. Other income shall not be considered for arriving at annual turnover.
- c. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.

For the value of industrial project in clause 1.3(a) and/or the annual turnover indicated in foreign currency, the exchange rates as on seven (7) days prior to the date of Techno- commercial bid opening shall be used.

7.0	IRPL reserves the right to reject any or all bids or cancel/ withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder/ intending bidder shall have any claim arising out of such action.			
8.0	Interested parties are required to get registered with Central Public Procurement (CPP) Portal of Ircon International Limited website https://etenders.gov.in/eprocure/app may be referred for detailed terms and conditions of the bidding documents, which is available on line. Amendments / Corrigendum / Addendum, if any would be hosted on the website only.			
	The complete Bid Document can be viewed / downloaded from the e-Procurement portal i.e. https://etenders.gov.in/eprocure/app free of cost.			
	Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal.			
	It is mandatory for all the bidders to have a valid Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement process. It is mandatory for the bidders to get their firm /company registered with e-procurement portal https://etenders.gov.in/eprocure/app to have user ID & password.			
	Instructions to Bidders for Online Bid Submission on the e-Procurement portal <u>https://etenders.gov.in/eprocure/app</u>			
	Bidders may download and refer the "Instructions for Online Bid Submission" from (https://etenders.gov.in/eprocure/app;jsessionid=F90A7689A0BF87EF35B88D2CA57C6FD4.cppsug ep2?page=StandardBiddingDocuments&service=page)			
8.1	The cost of the bidding documents as mentioned above is required to be submitted in the form of a crossed account Payee Demand Draft in favour of " Ircon Renewable Power Ltd ", Payable at New Delhi at the address mentioned at para no.10.0 below along with GSTIN and Organization ID registered with CPP. Interested Bidders can also pay for the cost of documents as mentioned above in the form of Electronic transfer/ NEFT Payments in the following account details of IRPL			
	Account Number	922020009578697		
	IFSC Code Name of Bank	UTIB0004122 Axis Bank		
	Branch Code			
	Address	Branch-Square One, Saket, New Delhi- 110017		
8.2		er, the bidder shall be required to forward the t forward the t form their registered E-mail ID to the concerned		
	IRPL as mentioned below requesting for access for download of the bidding documents in working hours between Monday to Friday.			
	While carrying out online transfer, Bidders shall ensure to enter "Tender No Bidder Name" in the Text / Remarks / Reason field. Bidder shall intimate the details of same through email to Employer and also upload the details on ETS portal (Technical Bid Part) in the following format:			

Declaration for Payment of Cost of Bidding Document

Tender Search Code: Bidder Name: UTR Reference: Amount: Date of Transfer: Transferor Bank:

(Signature of Bidder with Seal)

Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. The bids shall be submitted online. Bidder shall furnish Bid Security/EMD, Integrity Pact, Pass Phrases and Power of Attorney separately as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.

After registration with CPP and payment of the cost of bidding documents as above, a complete set of Bidding Documents may be downloaded by any interested Bidder from CPP Portal Website https://etenders.gov.in/eprocure/app with Tender Search Code_____.

Interested bidders are required to ensure that they have downloaded the official copy of bidding documents against Tender Search code-______ from website of CPP before closure of Bid Sale Period. If only free copy of Bidding Documents are downloaded from CPP portal

INVITATION FOR BIDS		
	or Bidding Documents are downloaded without confirmation or without generating official copy serial number, then the bidders will not be able to submit the bids.	
	Note: No hard copy of Bidding Documents shall be issued.	
	Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.	
9.0	Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.	
10.0	However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.	
11.0	ADDRESS FOR COMMUNICATION	
	Chairman, IRPL	
	IRCON RENEWABLE POWER LIMITED	
	C-4, DISTRICT CENTRE, SAKET, NEW DELHI-110017	
	PHONE:+91-11-26530245;	
	FAX:+91-11-26854000,26522000	
	Website: www.ircon.org	
	E-Mail: <u>schand.irpl@gmail.com</u> , Mobile No.: 8800692402	
	Corporate Identification Number: U40106DL2022GOI392384	