

II. Bidder is allowed to choose either fixed tilt, seasonal tilt or tracker-based solution (single axis/ double axis) etc.

1.2.6.1.3. The 2 MW (AC) Solar PV Power Plant (2.2MWp DC) with 4.5 MWh Battery Energy Storage System (excluding all variants of lead acid batteries) will be developed in the land parcel with Survey No 83 of the Pavagada ultra-mega solar park at Pavagada Taluk of Tumakuru District in Karnataka. The Bidders are requested to visit KSPDCL website (<http://kspdcl.karnataka.gov.in>) and KREDL website (<http://kredl.karnataka.gov.in>) to obtain the specific information on the solar park in which the Facilities will be developed. The details of the land parcel are given below:

Land parcel no.	Extent of approx. allotted area in acres	220/ 33 kV KSPDCL Substation allotment	Approx. distance of the allotted land parcel in km with respect to Substation No.4
Survey No 83	17Acres 38 Gunta acres out of which about 11 acres would be used for developing 2 MW (AC) Solar PV Power Plant (2.2MWp DC) with 4.5 MWh Battery Energy Storage System.However based on the justification by the contractor additional land may be provided.	S-4	1.5 km

1.2.6.1.4. The Bidders are required to quote only for the capacity of 2 MW_{AC} with 4.5MWh BESS. The Bidder shall quote the AC capacity of Facilities in whole number only along with their corresponding DC capacity. The maximum capacity to be allotted to any Bidder including its Parent, Ultimate Parent, Affiliate, Group Business Entity (ies) or any other Group Entity(ies) either bidding as Single Bidder or as a Consortium shall not exceed the maximum capacity of 2 MW_{AC} with 4.5 MWh BESS.

1.2.6.1.5. The lowest evaluated successful Bidder shall get all the land within Pavagada Ultra Mega Solar Park for implementation of the Facilities for the capacity of 2MW_{AC} with 4.5 MWh BESS.

1.2.6.1.6. The Bidder shall provide the interconnection to the S-4 substation at the voltage level of 33 kV (Point of Injection) of 220/ 33 kV KSPDCL pooling substation No. 04, All associated electrical and civil works required for interfacing with grid including but not limited to establishing inverter transformers, breakers, isolators, panels, protection system, cables, metering at interconnection

voltage level of 33 kV, earthing of transformer etc. and evacuation of power to the assigned 33/220 kV KSPDCL pooling substation through single circuit 33 kV underground cables including provision of any cable tray support structures along the road side from the solar plant to the 220/ 33 kV KSPDCL pooling substation.

The metering arrangement for the Project will be made at 3 (three) metering points connected at various voltage levels viz. 33 kV (at the outgoing feeder of the Project), 33 kV (at the incoming side of the 220/ 33kV KSPDCL substation), and 220 kV (at the incoming side of the 400/220 kV PGCIL CTU substation).

First metering point (M1): At the plant end, the metering shall be at the 33 kV side of the outgoing feeder of the Project.

Second metering point (M2): Metering shall be at 33 kV side at the incoming side of the 220/ 33 kV KSPDCL substation, where the power from the Project is first injected into the Solar Park.

Third metering point (M3): Metering shall be at the 220 kV side at the incoming side of the 400/220 kV PGCIL CTU substation, where the Project power will be injected into the PGCIL CTU substation. (This meter is already available).

The metering point at the plant end (M1) will be required as standby meter; however, the metering points (M2) (Main and Check meters) at the KSPDCL substation will be required for energy accounting purposes. For commercial settlement, an interconnection point, or delivery point shall be the point at 220 kV side (M3) of 400/ 220 kV PGCIL substation of CTU which is already available.

The Annual Generation corresponding to the CUF/PR to be met by the Bidder shall be measured as the aggregate of the unit's measured at 33 kV HT Switchgear panel.

The units measured at 220 kV side of 400/220 kV PGCIL substation = units measured at 33 kV side of 220/33 kV KSPDCL substation – loss in units for the corresponding capacities connected to the 220/33 kV KSPDCL substation, as per REA notified by POSOCO.

- 1.2.6.1.7. Notwithstanding anything to the contrary contained in this NIT, the detailed terms specified in the Contract Agreement shall have overriding effect; provided, however, that any conditions or obligations imposed on the Bidder hereunder shall continue to have effect in addition to its obligations under the Contract Agreement.
- 1.2.6.1.8. The Bid should be furnished as per the formats mentioned in the RFP, which shall be duly signed by the Bidder's authorized signatory.

- 1.2.6.1.9. The Bidder should submit a Power of Attorney as per the format provided in the RFP authorizing the signatory of the Bidder for signing and submission of the Bid duly supported by Board Resolution.
- 1.2.6.1.10. Any condition or qualification or any other stipulation contained in the Bid may render the Bid liable to rejection as a non-responsive Bid. The complete Bid shall be without alterations, interlineations or erasures, except those to accord with instructions issued by KREDL, or as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the Bid.
- 1.2.6.1.11. The RFP including annexures, if any, are transmitted to the Bidders solely for the purpose of preparation and the submission of a Bid in accordance herewith. Bidders shall treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Bid. KREDL will not return any Bid or any information provided along therewith.
- 1.2.6.1.12. The successful Bidder i.e., Contractor, shall ensure submission of PF code number allotted by Regional PF Commissioner along with the Performance Securities. Failure to do so is likely to result in the offer being rejected.
- 1.2.6.1.13. Bidder to note that Price Bids of those Bidders shall be opened who are found techno-commercially qualified and are found reasonably responsive to KREDL's tender terms and conditions along with the scope of work as mentioned in the RFP.

**1.2.6.2. Technical Eligibility Criteria
BESS QR**

- 1.2.6.2.1 The Bidder should have manufactured or supplied batteries for battery energy storage system(s) of cumulative installed capacity of 5MWh with dispatchable capacity of 4.5MWh or higher out of which atleast one battery energy storage system should be of 3MWh capacity or higher. The reference battery energy storage system of 3MWh or higher capacity must have been in successful operation for atleast 12 months prior to the date of techno commercial bid submission.

OR

The Bidder should have consortium agreement/MOU with technical partner who has manufactured or supplied and installed batteries for energy storage system(s) of cumulative installed capacity of 5MWh with dispatchable capacity of 4.5MWh or higher out of which atleast one battery energy storage system should be of 3MWh capacity or higher. The reference battery energy storage system of 3MWh or higher capacity must have been in successful operation for atleast 12 months prior to the date of techno commercial bid submission. The bidder should upload the consortium agreement/MOU and submit the hard copy of the original MOU before the bid opening date.

"In case of technical partner being a foreign company, they should set up authorized battery service center in India within one year from date of issue of LOA for carrying out O&M of the project. Supporting documentary proof needs to be attached. However, the Lead Bidder should be an Indian Company.

Solar QR

1.2.6.2.2 The Bidder should have consortium agreement/MOU with an EPC contractor and should have designed, supplied, erected/ supervised erection and commissioned solar PV based grid connected power plant(s) of cumulative installed capacity of not less than 2MW_{AC}, out of which one project should be a minimum of 1.5MW or above at single location for public or /Government or private client. The reference plant(s) of at least 1.5 MW_{AC}, through which the Bidder is meeting this Technical Eligibility Technical Eligibility Criteria, must have been in successful operation for at least twelve (12) months prior to the date of Techno-Commercial Bid submission.

OR

The Bidder either as a EPC contractor or as a developer should have designed, supplied, erected/ supervised erection and commissioned solar PV based grid connected power plant(s) of cumulative installed capacity of not less than 2 MW_{AC}, out of which one project should be a minimum of 1.5MW or above at single location for public or /Government or private client. The reference plant(s) of at least 1.5 MW_{AC}, through which the Bidder is meeting this Technical Eligibility Technical Eligibility Criteria, must have been in successful operation for at least twelve (12) months prior to the date of Techno-Commercial Bid submission.

Transmission substation QR

1.2.6.2.3 The bidder or his consortium partner should have MOU with government approved Super Grade License/Class I license and have executed at least one (1) Electrical Sub-station of minimum 33kV voltage level, consisting of equipments such as 33kV or above voltage level circuit breakers and power transformer, either as developer or as Contractor. In addition, the bidder/contractor should have required QMS certifications like ISO 9001:2015 and ISO 14001:2015.

The bidders have to meet all the eligibility criteria's like BESS QR, Solar QR and Transmission substation QR along with all other requirements.

Notes :

- a. The reference criteria through which the Bidder/consortium partner is meeting the above Technical Eligibility Criteria, should have been developed for the requirement of any Government clients, Central/ State Utilities, Public Sector Undertakings (PSU), Private Players as on the date of Techno-Commercial Bid submission. In this regard, the Bidder shall submit the following:
 - Letter of award/ work order/ purchase order (as applicable)
 - Detailed contract agreement along with any amendment, if any.

- certificate received from any Government entity, Central/ State utilities.
- Certificate from the owner of the solar PV plant and BESS Plant

OR

submission of latest Joint Meter Reading report issued by the power utilities mentioning the successful operation of the solar PV Plant and BESS plant for continuous period of last twelve(12) months prior to the date of Techno-Commercial Bid submission.

- Facilities executed by Bidder's Group Company, Holding Company, Subsidiary Company or Affiliate under the same management as defined in Companies Act, 1956/ 2013.
- In case the award for the reference works has been received by the Bidder either directly from owner of plant or any other intermediary organization, a certificate from such owner of plant or the intermediary organization shall be required to be furnished by the Bidder along with its Techno-Commercial Bid in support of its claim of meeting requirement stipulated above. Certificate from owner of the plant OR submission of latest Joint Meter Reading report issued by the power utilities shall also be furnished by the Bidder for successful operation of the reference plant.
- The documentary evidence (submitted by the Bidder in its letter head) for value of executed reference work, name of the client, name of the ultimate user of energy, project arrangement, date for commercial operation date (COD), energy generation in units (kWh) for a continuous period of at least twelve (12) months prior to submission of Techno-Commercial Bid, capacity of the plant in AC/ DC terms, location (GPS/ Google coordinate, village, taluk, district and state) of the plant, shall be submitted by the Bidder along with the Bid.

1.2.6.3. Financial Eligibility Criteria

- 1.2.6.3.1. The average annual turnover of the Bidder, should not be less than **“Rs.82 Crores (Indian Rupees Eighty Two Crores only)”** during any two (2) FYs out of the preceding five (5) FYs viz. from FY 2017-18 until FY 2021-22. Other income shall not be considered for arriving at calculation of average annual turnover.
- 1.2.6.3.2. In case a Bidder does not satisfy the average 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 (FY 2021-22) 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 RFP, pledging unconditional and irrevocable

financial support for the execution of the Contract by the Bidder in case of award of the Contract.

- 1.2.6.3.3. The Bidder shall also submit a certificate issued by Chartered Accountant citing the calculation of average annual turnover as provided in RFP also citing break-up of calculation along with the audited annual accounts for FY 2017-18 until FY 2021-22.
- 1.2.6.3.4. The Net Worth of the Bidder as on the last day of the preceding financial year FY 2021-22 should not be less than one hundred percent (100%) of the Bidder's paid up share capital, subject to a minimum of INR 12 Crores per annum.
- 1.2.6.3.5. For avoidance of doubt, "Net Worth" as per section 2 (57) of the Companies Act, 2013 means the aggregate value of the paid up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.
- 1.2.6.3.6. 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 and/or Subsidiary (ies) of the Holding Company, in combined manner should not be less than one hundred percent (100%) of their total paid up share capital. However individually, their Net worth should not be less than seventy five percent (75%) of their respective paid up share capitals.

Net Worth in combined manner shall be calculated as follows:

$$\text{Net Worth (combined)} = (X1+X2+X3) / (Y1+Y2+Y3) \times 100$$

Where X1,X2,X3 are individual Net worth which should not be less than seventy five percent (75%) of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

- 1.2.6.3.7. In case the Bidder is not able to furnish its audited financial statements on standalone entity basis due to unavailability as on the date of original Techno-Commercial Bid submission, the unaudited unconsolidated/consolidated 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/ consolidated financial statements of the Bidder along with copies of the audited unconsolidated/ consolidated financial statements of its Holding Company.
 - b. Certificate from the CEO/ CFO of the Holding Company, stating that the unaudited unconsolidated/ consolidated financial statements form part of the unconsolidated/ consolidated financial statement of the Holding Company.

- 1.2.6.3.8. In case where audited annual accounts for the required financial years as on date of original Techno-Commercial Bid submission 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 annual accounts for five (5) consecutive financial years from FY 2017-18 until FY 2021-22 of the preceding financial year FY 2021-22 shall be considered for evaluating financial parameter. Further, a certificate would be required from the CEO/ CFO stating that the financial results of the company are under audit as on the date of original Techno-Commercial Bid submission and the Certificate from a practicing Chartered Accountant certifying that the audited annual accounts for FY 2021-22 are not available as on the date of original Techno-Commercial Bid submission.
- 1.2.6.3.9. The Bidder shall also submit a certificate issued by Chartered Accountant citing the calculation of Net Worth as provided in RFP also citing break-up of calculation along with the audited annual accounts for FY 2021-22.
- 1.2.6.3.10. In case of a Consortium, for the computation of Financial Capacity, the average annual turnover and Net Worth of only the lead bidder shall be considered. In computing the turnover and Net Worth of the lead bidder the turnover and Net Worth of their respective Group Business Entities would also be eligible hereunder.
- 1.2.6.3.11. In case the lead Bidder is found not having the minimum Financial Capacity covering average annual turnover and Net Worth for the Facilities for which the Bid have been submitted, KREDL shall have the right to reject such Bid.
- 1.2.6.3.12. For the purpose of ascertaining qualification, the Financial Eligibility Criteria of group business entity (“Group Business Entities”) can also be submitted by the Bidder in addition to its own Financial Capacity. The Financial Capacity would be summation of the Financial Capacity of the Bidder and the Group Business Entities. For the purpose of this RFP, a Group Business Entity shall mean;
- a. A Business Entity, which directly or indirectly holds not less than twenty six percent (26%) of voting securities in the Bidder; or
 - b. A Business Entity in which the Bidder directly or indirectly holds not less than twenty six percent (26%) of voting securities.
 - c. For the purposes of meeting financial requirements, only unconsolidated/ consolidated audited annual accounts shall be used. However, audited unconsolidated/ consolidated annual accounts of the Bidder may be used for the purpose of financial requirements provided the Bidder has at least twenty six percent (26%) equity in each Company whose accounts are merged in the audited unconsolidated/ consolidated account and provided further that the financial capability of such Companies (of which

accounts are being merged in the unconsolidated/ consolidated accounts) shall not be considered again for the purpose of evaluation of any other Bid.

- d. The Group Business Entity shall be a Company incorporated under the Companies Act 1956/ 2013.
- e. The details of Group Business Entities must also be provided as per the format provided in the RFP.
- f. Financial capacity shall cover both average annual turnover and Net Worth.

1.2.6.3.13. The Bidder shall provide a copy each of audited annual accounts of previous five (5) financial years from FY 2017-18 until FY 2021-22 for ascertaining their turnover and Net Worth for the purpose of verification.

1.2.6.4. KREDL 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.

1.2.6.5. A complete set of RFP may be downloaded by any interested Bidder from the e-procurement, GoK portal and the payment of the Cost of the RFP (non-refundable) as mentioned above in the form of a crossed account payee demand draft in favor of "Karnataka Renewable Energy Development Limited", payable at Bengaluru shall be submitted as per clause 2.3.2.2.

Note: No hard copy of RFP shall be issued to any Bidder.

1.2.6.6. Issuance of RFP to any Bidder shall not construe that such Bidder is considered to be qualified. Bids shall be submitted online. Bidder shall furnish original copies of Cost of RFP, Consortium Agreement /MOU, Bid Security and Power of Attorney separately offline as detailed in Bidding at the address of communication.

1.2.6.7. Applicable documents in hard copies before the stipulated Bid submission closing date and time at the address given below in the address of communication.

1.2.6.8. Transfer of RFP purchased by one intending Bidder to another is not permissible.

1.2.6.9. Any queries regarding RFP may be submitted in writing to the address mentioned above. Bidders are requested to contact e-procurement, GoK for registration (Contact no.: 080-22230960, 080-22234115, eproc help desk + 91-4601 0000, +91 – 6894 8777).

1.2.6.10. Address of communication:

Contact details:

KREDL, Head Office Bangalore
#6/13/1, 10th Block, 2nd Stage,
Nagarbhavi, Bangalore-560072.

Phone: 080-22207851/ 22208109.

Fax: 080-22257399

Email: kredlmd@gmail.com, agm.sgkredl@gmail.com, tosgkredl@gmail.com

1.2.6.11. Schedule of Events

1	Availability of Bid documents	From 25-02-2023
2	The last date for seeking clarifications	28-02-2023 up to 17:30Hrs
3	Pre Bid Meeting date (in KREDL Head Office)	28-02-2023 at 11:30Hrs
4	Last date and time for receipt of Technical and Price Bids through electronic mode (E-portal, GoK)	07-03-2023 up to 17:30Hrs
5	Last date & time for receipt of hard copies of Bid security/BG, POA, Consortium Agreement, MOU, Cost of RFP, etc.	From 08-03-2023, 10:00Hrs to 09-03-2023 upto 11:00Hrs
6	Date and time of Opening of Technical Bids	09-03-2023 at 11:30Hrs
7	Date and time of Opening of Price Bids	Will be intimated later

1.2.6.12. Amount put to tender: Rs.40.5912/- crores (Indian Rupees Forty crores Fifty Nine Lakhs and Twelve Thousand Only) including GST, freight charges, insurance and NPV of 12 years plant O&M etc.,

Sd.

Asst. General Manager (SG), KREDL