

**NEW AND RENEWABLE ENERGY DEVELOPMENT CORPORATION OF  
ANDHRA PRADESH LIMITED (NREDCAP)  
(A State Government Company)**

Regd. Office: # 12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road,  
Tadepalli, Guntur District, Pin : 522 501.Email: [info@nredcap.in](mailto:info@nredcap.in)

Ref: NREDCAP/MHS/OWN PROJECTS/2020-21

Date: 16.11.2020

**NOTIFICATION**

Request for sealed Quotations are invited for **Preparation of Detailed Project Report (DPR)** for establishment of **Small Hydro Power Project at Hiramandalam Reservoir in Srikakulam District** from the consultants having experience in Survey, Investigation and preparation of Detailed Project Reports in Andhra Pradesh State.

The consulting firm should have financial capability to undertake the assignment and key personnel with requisite experience in the field of Small Hydro development. The applicant(s) should have **minimum turnover of Rs. 3.00 crores (Rupees Three crores only)** in the last 3 years. The applicant(s) shall have undertaken similar nature of assignment involving survey, Investigation & Preparation of DPR for at least **10 hydropower projects during last 20 years**. The scope of consultant services is given below,

- a) Review of all available data like Pre-feasibility reports, drawings etc.,
- b) Visit to the project site by a team of experts comprising Hydropower engineer, Structural engineer & Electrical engineer for preliminary reconnaissance.
- c) Collection of hydrological data from concerned departments like Irrigation.
- d) Conduct a detailed topographical survey of the project area to verify the location of the diversion site, power house site, alignment of water conductor system and other related structures. Topographic map of the Project shall be prepared on appropriate scale.
- e) Review of field investigations results and utilize the data appropriately for various studies.
- f) Review and analysis of all hydraulic and field data collected for the proposed hydel scheme.
- g) Geological evaluation of the region to establish the geologic profile of the project area and affirm the suitability of the geologic strata for construction of proposed components of the hydro scheme like weir, intake, tunnel, penstock, powerhouse
- h) Study of alternative layouts and selection of final layout based on techno-economic considerations.
- i) Power studies to formulate basic parameters of the scheme, optimization of installed

- capacity.
- j) Estimation of annual generation, unit cost of generation and financial analysis indicating payback period etc.
  - k) Selection of optimum number and capacity of turbine generator units.
  - l) Formulation of the basic parameters for turbine, main inlet valve, gates and other auxiliaries, cranes, ventilation system, dewatering and drainage system etc. Preliminary designs / sizing of civil structures, preliminary design of electrical systems like transformer sizing, switchyard equipment / layout etc.
  - m) Details of the hydro-scheme covering civil, mechanical and electrical aspects and preparation of report exhibits.
  - n) A preliminary study for evacuation of the power to the nearest substation would be carried out. Aspects like transmission voltage, conductor type, and type of pole structures should be addressed.
  - o) Preparation of capital cost estimates for civil, electrical & mechanical works.
  - p) Project implementation schedule indicating time period for various important activities starting from preparation of tender documents to the testing and commissioning of units.
  - q) Preparation of draft Detailed Project Report covering the above aspects and as per the latest “GUIDELINES FOR SMALL HYDRO DEVELOPMENT” of Alternate Hydro Energy Centre, Indian Institute of Technology Roorkee and as per the required information of Water Resources (Irrigation) Department, Govt. of Andhra Pradesh.
  - r) The Detailed Project Report shall be submitted within 120 days from the date of work order.
  - s) The consultants shall facilitate NREDCAP in obtaining Clearances/NOCs from various departments.

The interested applicants fulfilling the eligibility criteria shall submit their sealed quotation in the formats enclosed **on or before 26.11.2020** along with a **non-refundable fee of Rs. 5,000/- (Rupees Five thousand only)** by way of Demand Draft/RTGS drawn in favor of VC & MD, NREDCAP from any scheduled bank payable at Tadepalli, Andhra Pradesh and **earnest Money Rs.1,00,000/- (Rupees One lakh only)** in the form of DD/BG/RTGS from any Nationalized Bank.

**Sd/-**  
VC & Managing Director,  
NREDCAP

## FORM 1

### Covering Letter (on bidder's letterhead)

To,  
The VC & MD,  
New and Renewable Energy Development Corporation of Andhra Pradesh

Dear Sir,

Sub: Quotation for Preparation of Detailed Project Report (DPR) for establishment of Small Hydro Power Project at Hiramandalam Reservoir in Srikakulam District.

1. We, the undersigned, offer to submit our proposal for Preparation of Detailed Project Report (DPR) for establishment of Small Hydro Power Project at Hiramandalam Reservoir in Srikakulam District.
2. We agree to abide by this Proposal, consisting of this letter, the Eligibility Criteria and Technical Proposal, the duly notarized written power of attorney, and all attachments including the presentation to be made to the Evaluation Committee, if required, it shall remain binding upon us and at any time before the expiration of the period of engagement.
3. We hereby state that our Bid shall stand valid for a period of 180 days from the date of this letter.
4. We hereby declare that all the information and statements made in this proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.
5. We understand you are not bound to accept any proposal you receive.

Date :

Signature & Designation

Place:

Seal of the firm

**FORM 2**

**IDENTIFICATION OF THE FIRM(S)**

Full name of the Firm:

Address:

Telephone Number: Fax Number: e-mail: Others:	<b>Year of Establishment:</b> Number of Years since establishment:
<b>Corporate Registration:</b> Date of Registration: Registration No.: Date of Last Renewal: Valid up to:	<b>Pan Card</b> Pan Card No.:
<b>Name and address of contact person:</b> Name and Designation of Contact Person: Address: Telephone Number (office): Telephone Number (Residence): Mobile No: Fax: e-mail:	GST No.

Date :

Signature & Designation

Place:

Seal of the firm

**FORM : 3**

**FINANCIAL CAPABILITY OF THE FIRM(S)**

Full name of the Firm:

Turn Over of last three consecutive years

<b>Description</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>Total</b>
Turnover (INR)				

**The certificate issued by Chartered Accountant is enclosed.**

Date :

Signature & Designation

Place:

Seal of the firm

**FORM : 4**

(Details of work Experience of the Firm in Survey, detailed design & DPR preparation of  
hydro power project)

<b>S. No</b>	<b>Name of Project studied with capacity</b>	<b>Location</b>	<b>Client</b>	<b>Value of Contract</b>	<b>Year of completion</b>	<b>Description of Relevant work carried out</b>

Date :

Signature & Designation

Place:

Seal of the firm

**FORM: 5**

(Composition of the team personnel and the role assigned to each team Member for the proposed assignment)

<b>Sl no.</b>	<b>Name</b>	<b>Position / Role in Assignment</b>	<b>Qualification</b>	<b>Area of Expertise</b>	<b>Experience (No. of years)</b>	<b>Previous Assignments</b>
1		Hydropower Engineer				
2		Hydrologist				
3		Hydraulics Engineer				
4		Structural Engineer				
5		Costing Expert				
6		Electro-Mechanical Engineer				
7		Survey Expert				
8						
9						
10						

Note:-Bidders are expected to have a core team on the permanent rolls of company.

Date :

Signature & Designation

Place:

Seal of the firm

**FORM: 6**

**Financial Quotation**

<b>Sl. No.</b>	<b>Description</b>	<b>Amount in Rs.</b>
01	Survey, Investigation and preparation of Detailed Project Report for establishment of small Hydro Power Project at Hiramandalam Reservoir in Srikakulam District as per guidelines of MNRE,AHEC ,Roorkee and Water Resource Department, GoAP.  GST	
	<b>Total</b>  <b>Rupees in words</b>	

Note:- The above quoted amount includes all taxes, duties etc.

Date :

Signature & Designation

Place:

Seal of the firm