Ref. No: 04/OSD/EC/EIA consultants/ 2017  


**Request for Proposal (RFP).**

Assignment: Providing consultancy service for Approval of Terms of Reference, conducting Environment Impact Assessment studies, preparation of draft EMP, conducting Environmental Public Hearing, submission of final EIA/EMP Report to MoEFCC and obtaining environment clearance for following irrigation projects proposed to be taken up as per procedure / guidelines laid down by EIA Notification 2006, subsequent amendments and as per the terms of reference approved by the competent Authority.

<table>
<thead>
<tr>
<th>Name of project</th>
<th>Proposed acre. (acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Construction of Balancing Reservoir at Mothia thanda in AMRSLBC Tunnel Scheme</td>
<td>3,00,000</td>
</tr>
<tr>
<td>2) Rollavagu Project.</td>
<td>14,693</td>
</tr>
<tr>
<td>3) JCR DLIS Phase III, Package V</td>
<td>32,500</td>
</tr>
</tbody>
</table>

The Government of Telangana intends to engage accredited EIA consulting Organisations as per version 3 of the NABET/QCI scheme for River Valley / Irrigation projects (activity I (C) of EIA notification 2006). Therefore Request for Proposal (RFP), from eligible EIA consultant organisations are invited for above assignment, **project wise separately** to the Officer on Special Duty, I&CAD Department, Vth floor, Jalasoudha, Errum Manzil, Khairathabad, Hyderabad, 500082, Telangana. The Detailed RFP Document can be seen in the website [www._irrigation.telangana.gov.in](http://www.irrigation.telangana.gov.in) from 11-10-2017. Proposal for RFP must be submitted in a **sealed cover, project wise separately** super scribing “RFP for assignment of EIA Consultants for Telangana Irrigation Projects (name of the project)” before 25-10-2017, 15:00 Hrs. Sealed covers will be opened at 16:00 hours on 25-10-2017, in the Conference Hall, V-Floor, Jalasoudha by the Engineer-in-Chief, Irrigation or by any officer authorised on his behalf.

A **pre-bid meeting** will be held by the Officer on Special Duty at 1100am on 25-10-2017, in the conference hall, V floor, Jalasoudha. The Government reserves the right to delete any project proposal from RFP without assigning any reasons. **Detailed RFP Document and project profiles are attached herewith.**

Note: changes if any, will be updated in website.

A. Sudhakar, IFS (Retd)  
Officer on Special Duty.
Detailed REQUEST for PROPOSAL (RFP) Document

Name of the Assignment: "Preparation and approval of ToR from MoEFCC, Carrying out Environmental Impact Assessment (EIA) Studies, Preparation of EIA/EMP reports and obtaining Environmental Clearance, from the concerned authority (MoEF& CC) for the following proposed Irrigation Projects.
(1) Construction of Balancing Reservoir at Mothia thanda in AMR SLBC Tunnel Scheme, CCA 3, 00,000 Acres (1, 21,457 ha)
(2) Rollavagu Project, CCA 14, 693 acres (5,950 ha) and
(3) JCR DLIS Phase III, Package V, CCA 32,500 Acres (13,158 ha)

SECTION-1

TERMS OF REFERENCE / SCOPE OF SERVICES

1. Introduction
   1.1 Government of Telangana is proposing following Irrigation projects to provide irrigation water for about 1.40 lakh hectares of command area, through Irrigation and CAD Department;
      (1) Construction of Balancing Reservoir at Mothia thanda in AMR SLBC Tunnel Scheme, CCA 3, 00,000 Acres (1, 21,460 ha),
      (2) Rollavagu Project, CCA 14, 693 acres (5,950 ha), and
      (3) JCR DLIS Phase III, Package V, CCA 32,500 Acres.

   1.2 With this background I&CAD DEPARTMENT, TELANGANA is calling for RFP from eligible bidders to assist I&CAD DEPARTMENT, TELANGANA in carrying out the work. Interested accredited EIA Consultants are required to submit separate technical and financial proposals, project wise, for obtaining Environmental Clearance from MoEF & CC by carrying out Environmental Impact Assessment Study after obtaining approval of ToR for the proposed projects.

2. Brief Scope of Work
   A broad scope of work is to obtain approval of ToR and carry out EIA Study / for Obtaining Environmental Clearance from MoEF & CC for the proposed Irrigation project. The study will be carried out for the following two modules.
   - MODULE I- Obtaining ToR from MoEF& CC
   - MODULE II- EIA Study, Public Consultation, obtaining EC from MoEFCC.

Module -I

The brief Scope of Services for obtaining ToR from MoEF&CC is as follows:
- Kick off meeting and initial discussions with Client on study requirements, collection of available data / reports.
• Site visit and Reconnaissance survey - secondary data collection as per the study requirement.
• Preparation of Draft From-1 and Draft Terms of Reference (ToR) for conducting EIA study.
• Preparation of Prefeasibility Report in MoEF &CC prescribed format.
• Preparation of final Form-1 and ToR for conducting EIA Study based on observation / suggestions from client for onward submission to EAC, MoEF&CC.
• Preparation of presentation to be given to EAC, MoEF&CC during finalization of ToR.
• Technical assistance to Client during appraisal of project seeking approval of ToR.

Model-II

The brief work for carrying out the EIA study and obtaining EC.is listed below:
• Carrying out Baseline Environmental Surveys (Three Seasons including monsoon season)
• Study out Baseline Socio-Economic conditions
• Study of Public Health aspects in Project Affected Area & Command areaa
• Preparation of R&R Plan
• Study of Baseline status in Catchment area of project
• Preparation of Catchment area Treatment plan
• Study of Baseline status in Catchment area of project
• Preparation of Land Use/ Land Cover Map based on the Satellite Imagery
• Study of LU/LC in command as well as Catchment area
• Establishment of baseline environmental status (through a combination of primary data and secondary data/ literature survey)
• Establishment of socio- economic data based on available secondary data such as Census of India and District Statistical Hand Book.
• Identification and prediction/ Evaluation of Environmental Impacts during construction and operational phases of the proposed development.
• Social Impact Assessment Study
• Environmental Management Plan (EMP) (including Environmental Monitoring Plan) for construction and operational phases.
• Preparation of Command area Development plan.
• Dam break Analysis
• Board Framework for Disaster management Plan (DMP) covering Emergency Response
• Preparation and submission of Draft EIA Report after incorporating observation received from Client and submission to Client for onward submission to Telangana State Pollution Control Board (TSPSB) for conducting Public Consultation
• Technical assistance to client during Public Consultation
• Preparation and submission of Final EIA Report to Client for onward submission to EAC, MoEF & CC seeking Environmental Clearance.
• Preparation of presentation to be given to EAC Seeking Environmental Clearance
• Technical assistance to Client during appraisal of the project for obtaining Environmental Clearance from EAC, MoEF& CC.

3. Study Methodology

3.1 Reconnaissance Survey and Data Collection
BIDDER shall carry out reconnaissance survey of the proposal Irrigation project to understand the existing environment and environmental / social sensitive areas in and around the project for data requirements particularly about Forests, Wild Life and other environment / ecological sensitive issues if any. For additional information, relevant government offices dealing with Reserve Forest or Wild Life shall be visited and necessary information shall be obtained. Procedures needed to be followed after consultation with these officials to obtain necessary clearances shall be followed.

3.2. Baseline Data Generation

All the studies have to be done in accordance to the requirement of the MoEF&CC. In the following paragraphs / pages the details given are only indicate. The baseline studies are one of the important milestones in the EIA studies as it defines the existing status of the environment in and around the project site. The studies will be a combination of desk studies of the environment in and around the project site. The studies will be a combination of desk studies (compiling information from secondary / published data) and field surveys to address the key issues related to the projects. For establishing the baseline conditions, the study area / project impact area will be selected. The baseline environmental studies will be carried out covering the terrestrial, aquatic and socioeconomic environments. The study shall cover three seasons and during this period, air quality & meteorological data shall be continuously monitored covering the entire season. Apart from air quality & meteorological data, other data (water, noise, soil, and terrestrial ecology), shall be a one-time collection during each season. An area representing 10-km radius around Barrage and on either side of canal shall be earmarked as study area for assessing the baseline environmental conditions.

The detailed methodology for the baseline environmental studies is as follows:

a) Meteorology
Meteorological data pertaining to wind speed, direction, relative humidity, atmospheric stability, barometric pressure, rainfall and ambient temperature will be collected using automatic weather monitoring station at one (01) location near the project site during the study period- Meteorological observations shall be carried out as per the IS 5182 Part 1-20 standards prescribed by the Bureau of Indian Standards (BIS) and the relevant IMD Specifications.
b) Ambient Air Quality (AAQ)
The ambient air quality shall be monitored as per CPCB/MoEF guidelines. The locations shall be identified with regard to the predominant wind direction, topography, population, sensitive locations, and possible impact zones. It is proposed to monitor AAQ at required number of locations in the study area with twice a week frequency during the study period. The air quality monitoring shall be carried out for Sulphur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Particulate Matter size less than 10 microns (PM16) and Particulate Matter size less than 2.5 microns (PM₂.₅) and all parameters as specified by MoEF&CC and CPCB.

c) Inland Water Quality
The study area shall first be inventoried for identifying the sources of water i.e., both surface water and groundwater sources. Water samples shall be collected at the identified sources based on the type of the source, its relevance, number of upstream and downstream users and the type of the industrial activity if any in the vicinity. Water Quality including ground water and surface water will be monitored at required number of locations once in each season during study period within the study area. The water samples shall be collected and analyzed, once during each season, for physico-chemical and biological characteristics. Water Quality shall be monitored adopting procedures as per IS 3026 and relevant guidelines of MoEF&CC/ CpCB.

d) Soil Quality
The soil types in the study area shall be identified based on the review of the available data supported with information gathered from reconnaissance survey. Soil samples will be collected at required number of locations once during each season during the study period in the study area. Samples shall be collected by adopting standard procedures from different depths i.e. at 15 cm, 30cm, 60 cm & 1 meter at each of the locations. The samples collected shall be analyzed once during the season for physio-chemical characteristics. Soil quality monitoring and analysis shall be carried out as per the BIS Standards.

e) Noise
Noise level will be measured at required number of locations within the study area. Representative intensity of the noise levels (Peak noise and Equivalent noise levels) in the study area shall be measured at hourly intervals for 24 hours once during each season. Noise level measurement shall be carried out as per the IS: 4954-1968 as adopted by CPCB, CPCB/IS: 4954-1968 and the CPCB/ OSHA Standards using a precision noise/sound level meter.

f) Terrestrial Ecology
The sampling locations will be identified in the study area based on the reconnaissance survey. The number of sampling locations covering the study area will be decided based on the IU/LC Map. Standard procedures and guidelines of CPCB/MoEF&CC will be followed in this study. All the location details will be captured using a GPs navigator. A list of flora and fauna of terrestrial ecosystem present in study area shall be prepared- Endangered and dominant plant species in the study area shall be identified.
3.3. Study of Land Use and Land Cover
For study of Land Use and land Cover in
i) Catchment Area of the project
ii) Command Area of the project; and
iii) Study Areas of the project i.e. areas within 10 km radius of project periphery and
on both sides of canal, the high resolution satellite imageries, LISS-III, will be utilized
and the analysis will be undertaken on G15 platform.

3.4. Study of Baseline conditions in Catchment area of the project
Study of Baseline Conditions in Catchment Area and Command Area of the project
will cover the following aspects:
- Topography
- Land Use and Land Cover
- Soil Characteristics in terms of texture, depth and water holding capacity.
- Soil erodability
- Drainage pattern and
- Slope

3.5. Study of Baseline Socio Economic Conditions in Project Affected and
Benefited Areas
The study of Baseline Socio-Economic Conditions in submergence area will be
undertaken on the basis of census enumeration to be undertaken in
submergence villages whereas the same in project benefited area and study area
around the reservoir will be based on sample survey. The sample size will be
subjected to a maximum of 1.5 percent of the total population. This will form
the data base for the study of Social impact Assessment and Public Health
Aspects in Project Affected area and Command area of the project. For
collection of the required data questionnaires will be developed separately for
Project Affected Families (PAFs) and families getting irrigation benefits of the
project. In addition the qualitative data will be collected from PAFS on the
basis of Group Discussions and PRA exercises to be carried out in project
affected villages.

3.6. Social Impact Assessment and Preparation of Resettlement and
Rehabilitation Plan
During this study the present scenario and possible impacts due to proposed
project on socio economic aspects / issues will be studied. Study will be carried
out to know the public health aspects in project affected area as well as
command area. Preparation of Resettlement and Rehabilitation Plan will be as
per the guidelines provided in the "Right to Fair compensation and
transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013".
A comparison of the cost of land acquisition as per this Act and as per Go
number 123 of Government of Telangana will be under taken with a view to
suggesting the best package to project affected families.

3.7. Preparation of Catchment Area Treatment plan
The watershed management programs involving extensive soil conservation measures
in the catchment have assumed tremendous importance for preparation of catchment
Area Treatment (CAT) Plan. Watershed management primarily involves collection of
information on a wide range of parameters of static and dynamic nature related to geology, hydrology, soil, geomorphology, topography, drainage conditions, land use / land cover, climate, etc. required for formulation of detailed and comprehensive catchment Area Treatment (CAT) plan. A comprehensively detailed Catchment Area Treatment Plan (CAT) will focus on:

- Mitigation measures for the erosion and landslide hazards resulting from the river valley project activities i.e., activities in the Direct impact Zone (DIZ);
- The problem of silt and debris load to river from the susceptible areas of the catchment;
- Checking the sediment load from the tributaries directly discharging into the reservoir; and
- Protecting the directly draining catchment from scouring / sloughing and slips

3.8. Calculation of Sediment Yield

The silt Yield Index (SYI) Model developed by All India soil and Land use survey (Dept. of Agriculture, Govt. of India) will be followed for calculating sediment yield index. The SYI model considering sedimentation as product of erosivity, erodibility and areal extent was conceptualized in the All India soil & Land use survey as early as 1969 and has been in operational use since then to meet the requirements of prioritization of smaller hydrologic units within River Valley projects catchment areas. The model conceptualizes sediment delivery from a hydrologic unit into a reservoir as a multiplicative function of the potential soil detachment representing the erosivity factor; the transportability of the detached material (delivery ratio) and the area of the hydrologic entity. This can be expressed as:

\[
\text{Sediment yield} = f(\text{Erosivity of soil} \times \text{delivery ratio} \times \text{area of hydrologic unit})
\]

3.9. Study of Baseline conditions in Command area of the project

Socioeconomic conditions of command area will be studied during the survey. Trained surveyors for data collection will collect data using designed checklists.

3.10. Preparation of Command Area Development plan

The preparation of command Area Development plan will be based on the guidelines issued by the Ministry of water Resources and Ganga Rejuvenation, Government of India in this regard. The land capability and irrigable land will also be considered for the preparation of this plan.

3.11. Dam Break Analysis & Disaster Management plan

Generally Dam breach analysis and flood-wave routing is needed to assess the effect of a potential dam failure downstream of a Tailing storage Facility (TSF), which in turn will guide on the appropriate Emergency Action plan (EAP) or Disaster Management plan (DMP) for the TSF under a potential dam breach. Dam failure analysis models developed by National weather service (NWS) such as DAMBRK, SMPDBK, and FLDWAV are widely used as well as BREACH. Comparison of USACE Hydrologic Engineering center's River Analysis system (HEC-RAS) model with FLDWAV in the aspect of dam break flood routing it is found that the differences in the interpretation and approximation of river geometry are the primary source of the differences in the model simulations, although the numerical algorithms for solution of the St. Venant Equations are similar. Dam Break Analysis under this study will be under taken on the basis of the latest available models using DAMBRK,
SMPDBK and FLDWAV. The results of this analysis will be used to prepare Disaster Management plan (DMP).

3.12. Stakeholder identifications/Consultation
Stakeholders shall include local people, project affected people due to the proposed project, statutory bodies, institutions, etc. Most of the consultations will be carried out at informal level. Consultant will meet various officers in the study area and various regulatory bodies. Informal consultations will be carried out at community or stakeholder level. All such information shall be recorded/documented.

3.13. Social Consultation
Survey of markets/shanties and Focus Group Discussions (FGD) will be carried out with different social groups including women to prepare socially, technically and economically feasible income generations schemes including skill up-gradation plans.

An Environmental Management Plan (EMP) will be formulated for the proposed activity. EMP will address mitigation measures for each area i.e. air, water, soil, water environment, solid waste, socio-economic, etc. separately, covering all relevant aspects as per the recommendations and requirement of MoEF&CC. Based on the identified potential impacts associated with the project, an EMP will be framed for the construction and operation phases.

3.15. Draft EIA/EMP Report
Draft EIA/EMP Report shall be prepared as per MoEF&CC prescribed guidelines and will be submitted to I&CAD DEPARTMENT, TELANGANA for review and comments.

**Deliverable : Draft EIA/EMP Report**

3.16. Executive Summary
Executive summary in both English & Telugu shall be prepared and submitted to I&CAD DEPARTMENT, TELANGANA for review/comments and will be accordingly finalized for onward submission to TSPCB for conducting Public Hearing.

**Deliverable : Executive Summary(English & Telugu)**

3.17. Technical Assistance during Public Consultation Stage
Once the Draft EIA/EMP Report and Executive Summary is submitted to TSPCB (through client), TSPCB shall conduct the Public Hearing as per guidelines of the EIA Notification. BIDDER will provide necessary technical assistance to client during the consultation stage. The technical assistance shall be confined to attending the Public Hearing and providing response to the clarifications/queries sought during the meeting.

3.18. Final EIA/EMP Report
Once the Public Hearing is completed, Final EIA/EMP Report shall be prepared based on minutes of meeting of Public Hearing received from TSPCB.

**Deliverable: Final EIA/EMP Report**
The final report will be presented at MoEF&CC and necessary EC will be obtained. The comments/suggestions of the committee will be incorporated in the final report. After obtaining EC, CFE will be obtained from the state PCB.

4. Rate of Progress:
- The following progress report will be required to be maintained. The date of Commencement of work is date of awarding the Work Order.
- The bidder can give separate time schedule for early completion of assignment with accelerated programme. It is imperative that the work progress as well ahead of the rate of progress given below.
- The period for completion of whole assignment is 14 (fourteen) months with the following milestones/deliverables. Bidder shall carry out the work as per the timelines detailed below. The milestones/deliverables and payment terms are stipulated considering all the activities of conducting public hearing, release of minutes of the meeting by the competent authority.
- DELIVERABLES AND PAYMENT TERMS

<table>
<thead>
<tr>
<th>S.No</th>
<th>No.of months from the date of signing agreement</th>
<th>Contract value</th>
<th>Expected deliverable by the I&amp;CAD Department, Telangana</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>At the end of one (1) month</td>
<td>20%</td>
<td>Approval of ToR from MoEFCC</td>
</tr>
<tr>
<td>2</td>
<td>At the end of ten (10) months</td>
<td>30%</td>
<td>Completion of all seasons data collection and submission of reports</td>
</tr>
<tr>
<td>3</td>
<td>At the end of 11 (eleven) months</td>
<td>20%</td>
<td>Preparation of draft EIA/EMP Report.</td>
</tr>
<tr>
<td>4</td>
<td>At the end of twelve (12) months</td>
<td>10%</td>
<td>Completion of Environmental Public Hearings in each and every district of Project affected areas.</td>
</tr>
<tr>
<td>5</td>
<td>At the end of thirteen (13) months</td>
<td>10%</td>
<td>Presenting final EIA/EMP Reports to EAC for Environmental clearance.</td>
</tr>
<tr>
<td>6</td>
<td>At the end of fourteen (14) months</td>
<td>10%</td>
<td>Obtaining Environmental clearance</td>
</tr>
</tbody>
</table>

4. Deliverables
- Submission of Draft Form-I and ToR Approval
- Completion of seasonal data and analysis.
- Draft EIA/EMP report (for public consultation)
- Final EIA/EMP report
- Presentation EIA/EMP Report for placing before EAC of MoEFCC

5. Terms and Conditions
i. All the tasks related to obtain prior Environmental Clearance(EC) for the proposed projects shall be in accordance with procedure laid down in Environment (protection Act) 1986, EIA notification 2006 and amendments thereon issued by MoEF&CC and also as per approved TOR.
ii. Bidder shall make Power point presentation before the committee at different stages of appraisal of the project.
iii. The services of bidder under each stage shall be treated as complete only after such services carried out by the bidder are approved by I&CAD
DEPARTMENT, TELANGANA and bidder and accepted by the competent Authority. Work shall be completed by the bidder according to the time schedule agreed to. The works throughout the stipulated period of contract will be carried out with due diligence.

iv. In the event of bidder winding up or ceasing to exist or failing to complete the balance work within a mutually agreed or extended reasonable time frame, I&CAD DEPARTMENT, TELANGANA will have the power to employ any other agency to complete the balance work at the proportionate cost originally assigned to bidder.

v. In the event of failure on the part of bidder to complete their work within a reasonable or extended time frame, as mutually agreed upon, committing a legally decreed breach of any one or more of the terms and conditions of the agreement, I&CAD DEPARTMENT, TELANGANA will be entitled to rescind this agreement without prejudice to its rights to claim damages or remedies under the law & employ any other agency to complete the balance work at the proportional cost originally assigned to bidder. as per law. The case will be put forth to the Government or a arbitrator whose decision shall be binding on both parties.

vi. Bidder shall supply required copies of reports from time to time that are needed in connection with the obtaining Environmental clearance i.e. provide 5 sets of hard copies and soft copy of all documents/deliverables to I&CAD and required no. of sets to MoEF&CC, TSPCB.

vii. Bidder has to provide services for attending the additional TOR, related with this project, if ordered by the competent authority at no extra cost accept otherwise specified in this document.

viii. Bidder shall make its own arrangements for all the equipment needed for conducting requisite tests at project site

ix. Though JV's will be accepted, preference will be given to individual firms / companies meeting the requirements over the JV's.

6. Payments:

- The bidder has to quote for their fees for carrying out the assignment - EIA-EMP study and obtaining Environmental clearance (EC) from the Ministry of Environment, Forests & climate Change (following the Scope of Work as mentioned above).
- Service tax /GST as applicable shall be payable extra.
- The above fee includes all charges/costs involved in completing the assignment including travel, boarding and lodging expenses.
- All expenses towards public hearing (advertisement, arranging venue and pandal for the meeting, videographer, press etc.), shall have to be borne by the bidder.
SECTION – 2

PRE-QUALIFICATION CRITERIA

The consultant is required to meet the following criteria for acceptance of their offer:

i. Earnest Money Deposit (EMD) along with technical proposal by way of demand draft, in favor of Engineer in Chief, Irrigation, and Telangana from any Nationalized Bank for an amount of Rs.1, 00,000 / (Rupees one lakh only) shall be submitted along with the offer. There is no exemption from EMD.

ii. The EMD amount will be refunded to the unsuccessful bidders after seven days of finalization of bids.


iv. Joint ventures are not allowed to participate.

Technical:

i. The Agency must have valid accreditation from QCI (Quality Council of India) / NABET (National Accreditation Board for Education & Training). The Sector for which accreditation required is Sector -3.

ii. The bidder should have experience of "carrying out EIA & EMP studies & preparation of EIA & EMP report for obtaining Environmental Clearance from MoEF&CC, in the respective Category.

iii. The Bidder during the last five years should have completed successfully EIA & EMP studies for at least(2) projects of similar nature in the same Category (Aor B) of the proposed Projects. (credible proof to be produced to the satisfaction of OSD (forest clearances), I&CAD Dept. in the proposal)

iv. The Agency should preferably have in-house laboratory which is recognized by MoEF&CC.

v. The consulting organization should have in-house EIA Coordinator for Irrigation sector besides in-house Functional Area Experts in the fields of Ecology and Biodiversity and Socio economic studies.

Financial:

i. The Annual Turn Over towards consultancy services pertaining to EIA and related works should be preferably more than Rs. 2.0 (two) Crores in all the last three Financial Years. (FY’s) i.e. 2014-15, 2015-16 & 2016-17.

ii. The Net Worth of the company in the FY 2016-17 should be positive. The bidder or its Proprietor/Partner(s)/Director(s) of the firm should not have been convicted by a court of Law for an offence involving moral turpitude in relation to business dealings during the past two years for acceptance of the offer. The bidder shall give an affidavit to this effect. The affidavit must be affirmed before the competent judicial authority or duly notarized by the Notary.
Note:
Bidders are required to submit scanned copy(s) of
1. Work order copy (Only brief work order)
2. Chartered Accountant certified statement of Annual Turnover for last three year along with Net worth for the FY 2016-17.
3. Valid accreditation certificate from QCI/NABET or the name of agency in the list of accredited EIA Consultant in different sectors of NABET in MoEF&CC website, as the documentary evidences towards fulfillment of pre qualification criteria as above. If required, I&CAD DEPARTMENT, TELANGANA may ask for originals of those documentary evidences for verification purpose.

4. Documentary credible proof of completion of similar projects (Category A or B) in the respective Category of the projects, for which RFP has been called, to the satisfaction of I&CAD Authorities.
SECTION – 3

INSTRUCTION for BIDDERS

1. GENERAL:

i. I&CAD DEPARTMENT, TELANGANA shall not be liable for any mistake or error or neglect by the Bidder in respect of preparation and submission of his Bid.

ii. The bidder shall bear all costs associated with the preparation or delivery of its Bid and for participating in discussions- I&CAD DEPARTMENT, TELANGANA will in no case be responsible or liable for those costs and expenses regardless of the outcome of the bidding process.

iii. The Bid and all correspondence incidental and related to Bid shall be written in English language. Any printed literature and document submitted in any other language shall be accompanied by authenticated English translation, in which case, for the purpose of interpretation of the Bid, English translation shall govern. Responsibility for correctness in translation shall lie with the agencies.

iv. I&CAD DEPARTMENT, TELANGANA reserves its right to call for original of the supporting documents for verification, if so deemed fit, and also cross-check for any details as furnished by the bidder from their previous clients etc. Bidder shall have no objection whatsoever in this regard.

v. I&CAD DEPARTMENT, TELANGANA reserves the right to make use of available in-house data for evaluation of the Bids that have been submitted against this request.

vi. I&CAD DEPARTMENT, TELANGANA will examine the Bids for its completeness, whether the documents have been signed, whether they are complete and whether the details furnished are generally in order. Incomplete bids are likely to be rejected.

vii. Canvassing in any form by the agency or by any other agency on their behalf may lead to disqualification of their Bids.

viii. I&CAD DEPARTMENT, TELANGANA reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time without thereby incurring any liability to the affected Bidder(s).

ix. I&CAD DEPARTMENT, TELANGANA reserves the right to reject any Bid or Proposal if:
   a. At any point of time, a material misrepresentation is made or uncovered for a bidder
   b. The bidder does not respond promptly and thoroughly to requests for Supplemental information required for the evaluation of the Bid or proposal.

x. No bidder shall contact any official of I&CAD DEPARTMENT, TELANGANA on any matter relating the Bid from the time of submission of Bid, unless requested so in writing.

xi. I&CAD DEPARTMENT, TELANGANA at its discretion may also hold further discussions with the prospective bidders to finalize the technical/commercial parameters and other related issues for the assignment,
before submission of the Proposals, which would be common for all the Bidders.

xii. Both the Parties (I&CAD DEPARTMENT, TELANGANA and bidder) agree to the scope of work that has been outlined and the associated fee structure for various components of the work.

xiii. Termination of contract: I&CAD DEPARTMENT, TELANGANA reserves the right to terminate the contract at any stage in case of non-compliance in terms of quality and meeting the terms and conditions of the agreement between I&CAD DEPARTMENT, TELANGANA and the principal client. Further, I&CAD DEPARTMENT, TELANGANA also reserves the right to terminate the contract for any reason what so ever at the directions of the Government.

xiv. Time is the essence of the contract and Liquidated Damages @ 0.5% per week subject to a maximum of 10% shall be applicable. However in case of delay in completion of task due to reasons beyond the control of the bidder, suitable extension of time will be granted without any compensation to the bidder.

xv. Tenders (Bids) with conditions and non-compliance are likely to be summarily rejected.

xvi. All disputes are subject to Hyderabad jurisdiction only.

2. VALIDITY OF OFFER:
The bid or proposal shall be valid for a period of two (02) months from the due date of submission of proposal.

3. OBTIGATIONS OF AGENCY.
Services to be performed by the Consultant will be strictly as per the scope of services as described above.

4. SUBMISSION OF TECHNICAL and FINANCIAL BID:
Potential accredited organizations must submit the Technical Proposal in sealed envelope along with the duly signed Technical Proposal Form and shall quote the price on lump sum basis as per the Financial Proposal form in a separate envelope.

5. EVALUATION PROCEDURE OF PROPOSALS:

EVATUATION OF PROPOSALS: The evaluation shall be based on 80% weight age for technical bid and 20% weight age for financial bid following Quality and Cost Based Selection Procedure. (It may not be necessarily the consultancy firm quoting the lowest price). Selection of the consultancy firm for execution of the assignment will be guided by the experience of the Consultants on similar job and availability of resources with the organization. The evaluation shall be based on 80% weight age for technical bid and 20% weight age for financial bid.

<table>
<thead>
<tr>
<th>S.No</th>
<th>Marks</th>
<th>Description</th>
<th>Scoring criteria:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>40</td>
<td>Experience of having carried out EIA study for large/ similar projects.(Credible proof</td>
<td>1 eligible assignment -8 marks</td>
</tr>
<tr>
<td>Rank</td>
<td>Points</td>
<td>Criteria</td>
<td>Evaluation</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>20</td>
<td>Having turnover of over Rs. 2 Cr. in the last 3 financial years (14-15, 15-16 and 16-17) in consultancy field related to EIA works</td>
<td>1 financial year - 7 marks&lt;br&gt;2 financial years - 14 marks&lt;br&gt;3 financial years - 20 marks</td>
</tr>
<tr>
<td>2</td>
<td>20</td>
<td>Having in-house MoEF&amp;CC/NABL recognized laboratory. (Credible proof to be produced)</td>
<td>Yes - 20 marks&lt;br&gt;No - 0 marks</td>
</tr>
<tr>
<td>3</td>
<td>15</td>
<td>Having in-house experienced EIA Coordinator for the relevant sector. (Credible proof to be produced)</td>
<td>Yes - 3 marks for each year of experience of EIA Coordinator (credible proof of their employment with organization to be produced).&lt;br&gt;No - 0 marks.</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>Having experience of working in similar projects in Telangana</td>
<td>Yes - 5&lt;br&gt;No - 0</td>
</tr>
</tbody>
</table>

Grand total - 100 marks

**SHORT LISTING OF PROPOSALS FOR FINANCIAL EVALUATION:** The applicants ranked as aforesaid shall be qualified and shortlisted for financial evaluation in the second stage. The minimum score for technical qualification is **60 marks**. However, if the number of such qualified firms is less than 2(two), I&CAD DEPARTMENT, TELANGANA at its sole discretion, may qualify another firm whose technical score is nearest to **60 marks**.

**EVALUATION OF FINANCIAL PROPOSAL:** In the second stage the financial proposal evaluation will be carried out. Each financial proposal will be assigned a financial score (SF).

- For financial evaluation, the total cost indicated in the financial proposal (including all Taxes, except GST/Service Tax) will be considered.
- I&CAD DEPARTMENT, TELANGANA will determine whether the financial proposals are complete, unqualified and unconditional. The cost indicated in the financial proposal shall be deemed as final and deemed as reflecting the total cost of service (excluding GST/Service Tax).
- Omissions, if any, in costing any item shall not entitle the consultant to be compensated and the liability to fulfill its obligations as per the ToR / Scope / RFP within the total quoted price shall be that of the consultant.
- The lowest Financial Proposal (FM) will be given a score (SF) of 100 points. The financial scores of other proposals will be computed as follows:
  \[ SF = 100 \times \frac{FM}{F} \] (where, \( F \) = amount of Financial Proposal)
Combined final evaluation: Proposals will finally be ranked according to their combined pre qualification (ST) and the financial (S) scores as follows:

\[ S = (ST \times TW) + (SF \times FW) \]

Where, TW and FW are weights assigned to Technical and financial proposal and that shall be 0.8 and 0.2 respectively.

The selected organization shall be the firm having the highest combined score, who will be invited, if necessary for further negotiations of contract value, and issued letter of invitation and seeking acceptance of the offer, within seven working days and enter into agreement, duly producing a bank guarantee equivalent to 10% of the value of the contract as performance guarantee. No mobilization advance would be provided to the selected organization for commencement of the work.

The second highest firm shall be kept in reserve and may be invited at the discretion of I&CAD DEPARTMENT, TELANGANA for negotiations in case the first ranked applicant withdraws, or fails to comply with the requirements, as the case may be.

(5) We are required to submit our proposal which includes the Technical Proposal and a financial proposal stating the estimated project cost.

(6) The selected organization is required to submit the detailed proposal (technical and financial) as per the format prescribed by the Developer for the project.

(7) We propose to carry out the work in a systematic manner and we undertake to complete the work within the stipulated time frame and to provide the best possible service that meets the requirements of the project.

(8) We propose to provide all necessary documents and reports as required by the Developer for the project.

(9) We undertake to provide all necessary assistance to the Developer for the project.

(10) We undertake to provide all necessary assurances to the Developer for the project.

(11) We undertake to provide all necessary guarantees to the Developer for the project.

(12) We undertake to provide all necessary security to the Developer for the project.

(13) We undertake to provide all necessary resources to the Developer for the project.

(14) We undertake to provide all necessary facilities to the Developer for the project.

(15) We undertake to provide all necessary support to the Developer for the project.

(16) We undertake to provide all necessary information to the Developer for the project.

(17) We undertake to provide all necessary help to the Developer for the project.

(18) We undertake to provide all necessary cooperation to the Developer for the project.

(19) We undertake to provide all necessary assistance to the Developer for the project.

(20) We undertake to provide all necessary cooperation to the Developer for the project.
Section-4

Form-1: TECHNICAL PROPOSAL SUBMISSION FORM

(Shall be prepared in the letter head of the consultancy firm)

To:

The Officer on Special Duty
(Former clearances)
Office of Engineer in Chief, Irrigation,
I&CAD DEPARTMENT, TELANGANA,
JalaSoudha, Errum Mznzil, Khairathabad,
Hyderabad, 500082.

We, the undersigned, offer to provide the consulting services for "Preparation and approval of ToR, Environmental Impact Assessment (EIA) studies, preparation of Environmental Management Plan (EMP) etc. to obtain Environmental Clearance (EC), from the concerned authority (MoEF&CC) for the proposed ----------------PROJECT)" in accordance with your Request for proposal document dated [Insert RFP Document No. and the issue date, as given in this document and our Technical Proposal.

"We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal sealed in a separate envelope".

We hereby declare that:

a) All the information and statements made in this Proposal are true and we accept that any misinterpretation or misrepresentation contained in this Proposal may lead to our disqualification by the I&CAD DEPARTMENT, TELANGANA and/or may be Black Listed.

b) Our Proposal shall be valid and remain binding upon us for the period of sixty (60) days from the date of opening of the proposals.

c) We have no conflict of interest in accordance with I&CAD DEPARTMENT, TELANGANA.

d) We meet the eligibility requirements and qualification criteria as stated in the RFP document, and we confirm our understanding of our obligation to abide by laws of India with regard to corrupt and fraudulent practices. In competing for (and, if the award is made to us, in executing) the Contract, we undertake to observe the laws against fraud and corruption, including bribery, in force in India. Our Proposal is binding upon us and subject to any modifications resulting from the Contract negotiations. We undertake, if our Proposal is accepted and the Contract is signed, to initiate the Services related to the assignment within seven (7) days after signing of the contract agreement.

We understand that the I&CAD DEPARTMENT, TELANGANA is not bound to accept any Proposal that the Client receives and annul the procurement process, without assigning any reason thereof and without any liability to the consultancy firms who have responded the(RFP).

Yours sincerely,

Authorized Signature (In full and initials):

Name and Title of Signatory:

Name of Consultant (company's name): In the capacity of:

Address: Contact information (phone and e-mail):
2: FINANCIAL PROPOSAL SUBMISSION FORM
(Shall be prepared in the letter head of the consultancy firm)

To:
The Officer on Special Duty
(Forest clearances)
Office of Engineer in Chief, Irrigation,
I&CAD DEPARTMENT; TELANGANA,
JalaSoudha, Errum Mnzil, Khairathabad,
Hyderabad, 500082.

Dear Sirs:

We, the undersigned, offer to provide the consulting services for "Preparation and approval of ToR, Environmental Impact Assessment (EIA) studies, preparation of Environmental Management Plan (EMP) etc. to obtain Environmental Clearance (EC), from the concerned authority (MoEF&CC) for the proposed (--------IRRIGATION PROJECT) in accordance with your Request for Proposal document dated (insert RFP Document No. and the issue date, as given in this document ) and our Technical Proposal.

Our Financial Proposal inclusive of all taxes for the assignment, is as given below:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description of work</th>
<th>Quoted Amount (in Rs.)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nature of Assignment: &quot; Preparation and approval of ToR Environmental Impact Assessment (EIA) studies, preparation of Environmental Management Plan (EMP) etc. to obtain Environmental Clearance (EC), from the concerned authority (MoEF &amp;CC) for the proposed (---------IRRIGATION PROJECT)&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Total quoted amount in Figures Rupees...........
Total quoted amount in Words Rupees...........

*(inclusive of taxes except GST/Service tax)

The fee quoted above by us is inclusive of all costs to be incurred by us in connection with this assignment including the cost of all visits to anywhere in India and all related cost to this consultancy assignment.

We understand that the above fee is inclusive of all statutory taxes/levies applicable in India except GST/Service tax at actual as applicable We understand that the quoted amount inclusive of the taxes except GST/Service tax mentioned hereto shall remain firm up to the completion of the assignment in all respect.

Our Financial Proposal shall be binding upon us for acceptance by the I&CAD DEPARTMENT, TELANGANA up to expiration of the validity period of our Proposal.

Yours sincerely,
Authorized Signature in full and initials):---------------------------
Name and Title of Signatory:----------------------------------------
In the capacity of:-----------------------------------------------Address------------------
<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Particulars</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Project Name</td>
<td>Modernization of Rollavagu Tank, Jagtial district</td>
</tr>
<tr>
<td>2</td>
<td>Districts Benefitted</td>
<td>Jagtial</td>
</tr>
<tr>
<td>3</td>
<td>Brief description</td>
<td>Remodelling of Rollavagu tank envisages tank taking up modernization of tank for increasing the capacity duly connecting buggavagu tank bund and series of hillocks for stabilizing tail end of existing ayacut of tank and meet the drinking water needs of villages in Dharmapuri and Beerpur mandals.</td>
</tr>
<tr>
<td>4</td>
<td>Command Area</td>
<td>14,693 acres</td>
</tr>
<tr>
<td>5</td>
<td>Length of the Conveyor System (Kms)</td>
<td>29.00 Kms</td>
</tr>
<tr>
<td></td>
<td>Approach / canal (Kms)</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td>Tunnel (Kms)</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td>Pumping Main</td>
<td>------</td>
</tr>
<tr>
<td>6</td>
<td>Land Acquisition (Ha)</td>
<td>232.33 Ha.</td>
</tr>
<tr>
<td>7</td>
<td>Forest area (Ha)</td>
<td>222.09 Ha.</td>
</tr>
<tr>
<td>8</td>
<td>Power Requirement</td>
<td>------</td>
</tr>
<tr>
<td>9</td>
<td>Annual Energy Requirement</td>
<td>------</td>
</tr>
<tr>
<td>10</td>
<td>Project Cost (Rs. Crores)</td>
<td>Rs. 60.235 crores.</td>
</tr>
<tr>
<td>11</td>
<td>Benefit-Cost Ratio</td>
<td>1.8</td>
</tr>
</tbody>
</table>

For further details contact: Administrator cum Chief Engineer, SRSP Mobile No: 959091541.
## BRIEF PROJECT PROFILE

Construction of Reservoir across Dindi River at Mothia Thanda in AMRSLBC tunnel Scheme

<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Particulars</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Project Name</td>
<td>JCR Devadula Lift Irrigation Scheme Phase- III, Package V</td>
</tr>
<tr>
<td>2</td>
<td>Districts Benefitted</td>
<td>Warangal Rural and Jayashankar Bhupalpally</td>
</tr>
<tr>
<td>3</td>
<td>Brief description</td>
<td>JCR Devadula lift irrigation Phase III Package V involves laying of 1700mm dia pipe line to carry 5cumess discharge from Ramappa tank to delivery cistern-1 on existing pipe line and feed water though pipe line from delivery cistern to RMC, LMC to irrigate 32,500 acres in Narsampet and Mulug Mndals and feed water to Pakhal lake.</td>
</tr>
<tr>
<td>4</td>
<td>Command Area</td>
<td>23.160Km</td>
</tr>
<tr>
<td>5</td>
<td>Length of the Conveyor System(Kms)</td>
<td>23.160Km, (out of which, 14.109Km in forest area)</td>
</tr>
<tr>
<td></td>
<td>Approach / canal (Kms)</td>
<td>0.893Km.</td>
</tr>
<tr>
<td></td>
<td>Tunnel (Kms)</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td>Pumping Main</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Land Acquisition (Ha)</td>
<td>177.256 Ha.</td>
</tr>
<tr>
<td>7</td>
<td>Forest area (Ha)</td>
<td>4.922 Ha.</td>
</tr>
<tr>
<td>8</td>
<td>Power Requirement</td>
<td>------</td>
</tr>
<tr>
<td>9</td>
<td>Annual Energy Requirement</td>
<td>------</td>
</tr>
<tr>
<td>10</td>
<td>Project Cost (Rs. Crores)</td>
<td>Rs. 305.69 crores</td>
</tr>
<tr>
<td>11</td>
<td>Benefit-Cost Ratio</td>
<td>1.37</td>
</tr>
</tbody>
</table>

For further details contact: Chief Engineer GLIS, Mobile No: 9704678204
**BRIEF PROJECT PROFILE**  
**Construction of Reservoir across Dindi River at Mothia Thanda in AMRSLBC tunnel Scheme**

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