GOVERNMENT OF TELANGANA
IRRIGATION & CAD DEPARTMENT

O/o the Chief Engineer (Projects),
Mahabubnagar, Jalasoudha,
Errum Manzil, Hyderabad – 500 082.

Notification calling for Expression of Interest (EOI)

Notification No.CE (P)/MBNR/PRLS/General/2015/ , Dt. 21 - 09-2015

The Irrigation & CAD Department Government of Telangana proposed for formulation of Palamuru – Rangareddy Lift Irrigation Scheme to irrigate an extent of about 10,00,000 Acres.

Sealed quotations are invited from the reputed firms/Agencies engaged in survey of Irrigation Projects, may send Expression of Interest in terms of eligibility, Financial capacity and furnish quotations item wise as mentioned in detailed scope of work. The work has to be completed within 3 months using latest advanced equipments like Terrestrial Laser Scanner, Total Station, DGPS Instruments and Auto Level and Designs of various components involved in the project using computer software. Therefore firms/agencies are requested to submit Expression of Interest along with quotations in person or by post or by email to the Chief Engineer (Projects), Mahabubnagar, Jalasoudha, Errum Manzil, Hyderabad (E-Mail ID: ce_mbmr@yahoo.com) at the above office during any working day on or before 30.09.2015, 4:30 PM. Detailed scope of work, terms and conditions can be downloaded from www. irrigation.telangana.gov.in

For any further information and queries please contact Dy.Chief Engineer, (Mobile No: 7680072592 )
O/o the Chief Engineer (Projects), Mahabubnagar, Camp office, Ground floor, Jalasoudha, Errumanzil, Hyderabad- 500082.

Sd/-

T. Khagendra
Chief Engineer (Projects)
Mahabubnagar.

Deputy Chief Engineer
O/o. CHIEF ENGINEER (Projects)
Mahabubnagar,
© PJP Camp, GADWAL - 509 125
Mahabub Nagar Dist.
# DETAILED SCOPE OF WORK

## Civil Works

<table>
<thead>
<tr>
<th>S.No</th>
<th>Description of Work</th>
<th>Units</th>
<th>Quoted Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Conducting Preliminary Investigation of Alignment of various components such as Approach channel, Open Canals, Tunnels, Pump Houses, Reservoirs of the scheme by studying topo sheets, drawing alignment on topo sheet using latest softwares and marking alignment on ground using latest equipment like hand held GPS and any other latest equipments.</td>
<td>Per Km</td>
<td></td>
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</tbody>
</table>
| 2    | Conducting detailed survey of alignment by taking levels at 25 mt intervals for preparation of Longitudinal Section and taking Cross section levels at 25 mt intervals along canal alignment with levels at 5 mt intervals for a width of 150m on either side of centre line of canal. For bunds of reservoirs, cross sections levels at 25m interval for 200m on either side of centre line. | i).Per Km using Total station  
ii).Per Km using Terrestrial Laser Scanner | i).Per Sq.Km using Total station  
ii).Per Sq.Km using Terrestrial Laser Scanner | i).Per Sq.Km using Total station  
ii).Per Sq.Km using Terrestrial Laser Scanner |
| 3    | Conducting Net level survey to prepare 0.50 m contour map for submergence area of proposed new reservoirs for preparation of Capacity Table.                                                                 | i).Per Sq.Km using Total station  
ii).Per Sq.Km using Terrestrial Laser Scanner | i).Per Sq.Km using Total station  
ii).Per Sq.Km using Terrestrial Laser Scanner | i).Per Sq.Km using Total station  
ii).Per Sq.Km using Terrestrial Laser Scanner |
<p>| 4    | Carrying DCBM along the alignment from nearest GTS Bench Mark and fixing of stones at 500 mt interval.                                                                                                           | Per Km         |                                               |
| 5    | Providing and fixing of stones along the centre line of canal and bund at 25mt interval and fixing stones along FRL at 100 mts and Apex points on its contour.                                                        | Per Km         |                                               |
| 6    | Conducting the site surveys for CD&amp;CM works on canals and Pump House &amp; Surge Pool, Cistern, Pressure Main, Head Regulators, spillway/weir, head sluice and EHT substation at pumping stations for various discharges with 5m interval.             | Per Sq.Km      |                                               |
| 7    | Conducting DGPS Survey / ETS Survey along Forest Boundaries, Compensatory Afforestation (CA) Lands.                                                                                                             | Per Acre       |                                               |
| 8    | Preparation of CA maps with Geo-coordinates recorded using WGS 84 Datum and UTM projection and overlay on Topo sheets.                                                                                           | Per Acre       |                                               |
| 9    | Preparation of land plan schedules of main conduit consisting of open canals, Tunnels, Pump houses, Reservoirs and Main Canals in prescribed proforma.                                                            | Per Acre       |                                               |</p>
<table>
<thead>
<tr>
<th></th>
<th>Preparation of Forest proposals through Geo-coordinates recorded using WGS 84 Datum and UTM projection and overlay on forest compartments.</th>
<th>Per Acre</th>
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</thead>
<tbody>
<tr>
<td>B. Preparation of Designs and Estimates</td>
<td></td>
<td></td>
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<tr>
<td>11</td>
<td>Preparation of Hydraulic particulars of Approach channels, Open Canals, Tunnels and Main canals from reservoirs for discharges ranging from 5 cumecs to 1000 cumecs.</td>
<td>Per Km</td>
</tr>
<tr>
<td>12</td>
<td>Designs of CM &amp; CD works on canals and Reservoirs as indicated in Std. Specifications as per CDO guide lines for various canal discharges up to 1000 cumecs and stream discharges.</td>
<td>Each</td>
</tr>
<tr>
<td>13</td>
<td>Design of Earth Bunds for maximum bund height up to 60m and surplus arrangements of reservoirs.</td>
<td>Each</td>
</tr>
<tr>
<td>14</td>
<td>Preparation of earth work estimates for canal discharges varies from 5 cumecs to 1000 cumecs based on ERM data.</td>
<td>Per Km</td>
</tr>
<tr>
<td>15</td>
<td>Preparation of Tunnel estimates for discharges varies from 150 cumecs to 700 cumecs.</td>
<td>Per Km</td>
</tr>
<tr>
<td>16</td>
<td>Preparation of estimates for all components of reservoirs capacities ranging from 2 TMC to 20 TMC and maximum height of bund upto 60 mt.</td>
<td>Per Km</td>
</tr>
<tr>
<td>17</td>
<td>Preparation of estimates of CM &amp; CD works on canals discharges varies from 5 cumecs to 1000 cumecs etc.</td>
<td>Each</td>
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<tr>
<td>18</td>
<td>Investigation, survey, Design and Preparation of cadastral plans and estimates for earthwork and CD&amp;CM works of Distributory network system up to field channel including preparation of L.P schedules up to D.P level.</td>
<td>Per Acre</td>
</tr>
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</table>

**Electro - Mechanical works**

|   | Investigation, Design and estimate for Open/Underground pumping stations to lift water for head ranging from 80m to 140m @ 2 TMC per day, 1.5 TMC per day, 1 TMC per day and 0.5 TMC per day including surge pool, Draft Tube, Tunnel, Pump house, Pressure mains, Cistern and electro-mechanical works as required and any other civil and electromechanical works required to fulfill the scope of work as per ongoing major lift irrigation schemes in Mahabubnagar Districts like MGKLIS, RBLIS AND JNLIS etc., | i). 2 TMC/day  
ii). 1.5 TMC/day  
iii). 1 TMC/day  
iv). 0.5 TMC/day |

Note: The firms are requested to furnish the supporting data for all quoted rates in hard and soft copies.
PALAMURU-RANGAREDDY LIFT IRRIGATION SCHEME

1.0. Objective: Calling quotations for conducting preliminary and detailed investigation, survey, design and estimation of Palamuru - Rangareddy lift irrigation scheme.

2.0. Terms and conditions:

1. The firm/Agency should have been engaged in such type of works for at least 3 years.
2. The firm should have completed at least one work of similar nature.
3. The firm also should become part of planning the modalities and deliverables of the project.
4. The firm also should give training to the personnel of the department to use the delivered data.
5. The deliverables should be compatible with departmental procedures.
6. The deliverables should be so planned that it is useful for various purposes.
7. The expression of interest and quotations alone will not qualify for selection of the firm for empanelment of the firms for bidding tenders.
8. The department reserves the right to reject the firm for empanelment without giving any reason thereof and no correspondence is entertained thereon.
9. The department reserves the right to break the work in to no. of stages and to call for tenders from the empanelled firms after receiving the EOI.

3.0 Mode of Expression of Interest: The firm may send the Expression of Interest a by person or by post or by mail in the format enclosed.

4.0 Address for Correspondence: O/o The Chief Engineer (Projects), Mahabubnagar, Camp Office, Ground Floor, Jalasoudha, Errummanzil, Hyderabad 500082.

5.0 Time Period: The Expression of Interest shall reach on or before 30-09-2015 4.30 PM.

[Signature]
Chief Engineer (Projects)
Mahabubnagar.

[Signature]
Deputy Chief Engineer
O/o. CHIEF ENGINEER (Projects)
Mahabubnagar,
@ PJP Camp, GADWAL - 509 125
Mahabub Nagar Dist.