TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED
VIDYUT Soudha :: HYDERABAD-82.

AP Transco – Commercial - Energy Billing Centre – Procurement of AMRs for metering points and hardware & software for centralized Data Centre for accessing and analyzing the metered data from various boundary points at the Head Quarters – Sanction accorded.

Ref: 1. Note from SE/System Protection (Member Task Force) dt:27.10.2009.
3. Note from CE/CommI/AP Transco dt:01.01.2010.

** **

Chief Engineer/Commercial/AP Transco vide the reference (4) cited above has submitted an estimate for Rs.4,72,86,750/- (Rupees four crores seventy two lakhs eighty six thousand seven hundred and fifty only) towards procurement of AMRs for metering points and hardware & software for Centralized Data Centre (as detailed in annexure-I) for accessing and analyzing the metered data from various boundary points, at Vidyut Soudha, Hyderabad.

After careful consideration of the proposal of Chief Engineer/Commercial/AP Transco, the AP Transco accorded sanction to the estimate for an amount of Rs.4,72,86,750/- (Rupees four crores seventy two lakhs eighty six thousand seven hundred and fifty only) towards procurement of AMRs and hardware & software for Centralized Data Centre vide Endt. No. 222 dt. 04.02.2010 of Chairman & Managing Director/AP Transco.

The estimated cost of Rs.4,72,86,750/- (Rupees four crores seventy two lakhs eighty six thousand seven hundred and fifty only) towards procurement of AMRs and hardware & software for Centralized Data Centre is distributed among the four Discoms as detailed in annexure-II which was accepted by Chairman and Managing Directors of 4 Discoms vide note file dt:27.01.2010.

These orders are issued with the concurrence of Director (Finance & Revenue) vide Regd. No. 191, dt: 23.01.2010.

(BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED)

K.RANGANATHAM
JOINT MANAGING DIRECTOR
(HRD, CommI, IPC & IT) (FAC)

To
Chief Engineer/Commercial/AP Transco,
Vidyut Soudha, Hyderabad.

Contd…Pg. 2.
Copy communicated to:
Chairman and Managing Director/APTransco/Vidyut Soudha/Hyderabad
Chairman and Managing Director/APCPDCL/Hyderabad
Chairman and Managing Director/APEPDCL/Visakhapatnam
Chairman and Managing Director/APNPDCL/Warangal
Chairman and Managing Director/APSPDCL/Thirupati
Joint Managing Director/V&S/AP Transco/Vidyut Soudha/Hyderabad
Additional Joint Managing Director/Distribution/AP Transco/Vidyut Soudha/Hyderabad
Director(Finance & Revenue)/AP Transco/Vidyut Soudha/Hyderabad
Director(Grid Operation)/AP Transco/Vidyut Soudha/Hyderabad
Director(Projects)/AP Transco/Vidyut Soudha/Hyderabad
Director(Transmission)/AP Transco/Vidyut Soudha/Hyderabad
Director/Operation/APCPDCL/Hyderabad
Director/Operation/APEPDCL/Visakhapatnam
Director/Operation/APNPDCL/Warangal
Director/Operation/APSPDCL/Thirupati
Copy to:
Chief Engineers/TL&SS/Zones/Metro Zone,Hyderabad Rural,Vijayawada,Visakhapatnam,Warangal,Thirupati,
Chief Engineer/400 KV Construction/AP Transco/Vidyut Soudha/Hyderabad
Chief Engineer/Telecom/AP Transco/Vidyut Soudha/Hyderabad
Chief Engineer/RAC, Reforms & IT/AP Transco/Vidyut Soudha/Hyderabad – with a request to place the TOO in APTransco website
FA&CCA(R&A)/AP Transco/Vidyut Soudha/Hyderabad
FA&CCA(A&E)/AP Transco/Vidyut Soudha/Hyderabad
FA&CCA(Accounts)/AP Transco/Vidyut Soudha/Hyderabad
The Superintending Engineer/EBC/ AP Transco/Vidyut Soudha/Hyderabad

// Forwarded by Order //

Divisional Engineer/ EBC-1

Contd...
Details of various equipment required for implementing AMR Project

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Centralized Data Centre at Vidutt Soudha</th>
<th>Qty</th>
<th>Unit Price</th>
<th>Amount in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Servers of HP/Compaq/IBM make</td>
<td>2</td>
<td>15,00,000</td>
<td>30,00,000</td>
</tr>
<tr>
<td>2</td>
<td>Oracle Database Software</td>
<td>1</td>
<td>7,05,000</td>
<td>7,05,000</td>
</tr>
<tr>
<td>3</td>
<td>Windows Server Software</td>
<td>1</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td>4</td>
<td>CAL for windows Server</td>
<td>5</td>
<td>2,000</td>
<td>10,000</td>
</tr>
<tr>
<td>5</td>
<td>UPS-3 KVA including Batteries</td>
<td>2</td>
<td>90,000</td>
<td>1,80,000</td>
</tr>
<tr>
<td>6</td>
<td>Work Station with High Memory (Hard Disk)</td>
<td>1</td>
<td>75,000</td>
<td>75,000</td>
</tr>
<tr>
<td>7</td>
<td>Work Stations</td>
<td>4</td>
<td>50,000</td>
<td>2,00,000</td>
</tr>
<tr>
<td>8</td>
<td>Laser printer</td>
<td>2</td>
<td>1,50,000</td>
<td>3,00,000</td>
</tr>
<tr>
<td>9</td>
<td>Data Acquisition software &amp; Java based application for reporting purpose</td>
<td>LS</td>
<td>30,00,000</td>
<td>30,00,000</td>
</tr>
<tr>
<td>10</td>
<td>GPRS SIM cards for AMRs &amp; dedicated Band width for data acquisition at Data Center</td>
<td>LS</td>
<td>4,00,000</td>
<td>4,00,000</td>
</tr>
<tr>
<td>11</td>
<td>Operation &amp; Maintenance of entire AMR system for 2 years</td>
<td>LS</td>
<td>10,00,000</td>
<td>10,00,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Items Required at Metering point</th>
<th>Qty</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 GPRS based intelligent AMR</td>
<td>1800</td>
<td>10,000</td>
<td>1,80,00,000</td>
</tr>
<tr>
<td>13 Installation at site testing and commissioning of the AMR Hardware and interfacing with Data center</td>
<td>1800</td>
<td>10,000</td>
<td>1,80,00,000</td>
</tr>
</tbody>
</table>

Total                                   |     |            | 3,60,00,000  |

| Total from 1 to 15                      |     |            | 4,50,35,000  |

| Unforeseen items 5% of total          |     |            | 22,51,750    |

Grand total                             |     |            | 4,72,86,750  |

(Rupees four crores seventy two lakhs eighty six thousand seven hundred and fifty only)
Annexure – II to T.O.O.(CE/Comm/APTransco) Ms. No. 63 dt. 18.05.2010

Statement showing distribution of estimated cost among the Discoms

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Description</th>
<th>Discom</th>
<th>Estimated cost in Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Implementation of AMR Project</td>
<td>CPDCL</td>
<td>1,58,21,830.00</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>EPDCL</td>
<td>95,99,678.00</td>
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<tr>
<td>3</td>
<td></td>
<td>NPDCL</td>
<td>88,27,161.00</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>SPDCL</td>
<td>1,30,38,081.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>4,72,86,750.00</td>
</tr>
</tbody>
</table>

Chief Engineer/Office

PROCEEDINGS:

Chief Engineer notified the Discoms of the estimated costs and authorized to take up the transformer capacities 3x100 MVA, Rs. 483 lakhs.

After careful consideration of the transformer capacities, the estimated cost of Rs. 483 lakhs is reduced to Rs. 483 lakhs.

The Chief Engineer authorized to take up the scheme.

The scheme shall be taken up by the other financial agencies as per the order.

This order is issued on 27-4-2010.

ORDER AND DIRECTIONS