PARADIP PORT TRUST

INVITATION OF BUDGETARY OFFER

FOR

SUPPLY, INSTALLATION AND COMMISSIONING OF 02 NOS. OUTDOOR FULL COLOUR (HD) LED PROGRAMMABLE TYPE DISPLAY BOARDS NEAR ADMINISTRATIVE BUILDING AND ATHARBANKI GATE OF PARADIP PORT.

SUBMISSION OF BUDGETARY OFFER
ON OR BEFORE Dt.15/11/2017

EXECUTIVE ENGINEER (ELECT.)
PORT ELECTRICLA DIVISION – II
PARADIP PORT TRUST,
PARADIP, JAGATSINGHPUR,
ODISHA – 754142
Contact No.9777180842
Email Id: rnsahooeepppt@gmail.com
## REQUEST FOR BUDGETARY OFFER

### (A) GENERAL INFORMATIONS:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of Work</td>
<td>Supply, installation and Commissioning of 02 nos. Outdoor Full Colour (HD) LED Programmable type Display Board near Administrative Building and Atharbanki Gate of Paradip Port.</td>
</tr>
<tr>
<td>2.</td>
<td>Department / Organization</td>
<td>ELECTRICAL &amp; MECHANICAL DEPARTMENT / PARADIP PORT TRUST</td>
</tr>
<tr>
<td>3.</td>
<td>Executive Division</td>
<td>Port Electrical Division.</td>
</tr>
<tr>
<td>4.</td>
<td>Officer Inviting the Offer</td>
<td>Executive Engineer</td>
</tr>
<tr>
<td>5.</td>
<td>Immediate Next Authority</td>
<td>Superintending Engineer</td>
</tr>
<tr>
<td>6.</td>
<td>Sanctioning Authority</td>
<td>Dy. Chairman, PPT</td>
</tr>
<tr>
<td>7.</td>
<td>Executing Authority</td>
<td>Executive Engineer</td>
</tr>
</tbody>
</table>

### (B) OTHER INFORMATIONS:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Item</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Publication date</td>
<td>25/10/2017</td>
<td>17:00 Hrs.</td>
</tr>
<tr>
<td>2.a)</td>
<td>Document download start date</td>
<td>25/10/2017</td>
<td>17:00 Hrs.</td>
</tr>
<tr>
<td>b)</td>
<td>Document download end date</td>
<td>25/10/2017</td>
<td>17:00 Hrs.</td>
</tr>
<tr>
<td>3.a)</td>
<td>Start date for seeking Clarification on-line</td>
<td>26/10/2017</td>
<td>10:00 Hrs.</td>
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<tr>
<td>b)</td>
<td>Last date for seeking Clarification on-line</td>
<td>06/11/2017</td>
<td>17:00 Hrs.</td>
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<td>4.</td>
<td>Date of uploading response to Clarifications sought</td>
<td>10/11/2017</td>
<td>17:00 Hrs.</td>
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<td>5.</td>
<td>Offer Submission end date</td>
<td>15/10/2017</td>
<td>17:00 Hrs.</td>
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<tr>
<td>6.</td>
<td>Offer Validity period</td>
<td>120 days</td>
<td></td>
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<tr>
<td>7.</td>
<td>Currency of Offer</td>
<td>Indian Rupee</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Language of Offer</td>
<td>English</td>
<td></td>
</tr>
</tbody>
</table>
Budgetary offer for the work: Supply, installation and Commissioning of 02 nos. Outdoor Full Colour (HD) LED Programmable type Display Board near Administrative Building and Atharbanki Gate of Paradip Port.

Scope of Work:

Paradip Port intends to install 02 nos. of Outdoor Full Colour (HD) LED Programmable type Display Board near Administrative Building and Atharbanki Gate of Paradip Port. This display board will have programmable facility so that the message can be changed as per the requirements on daily basis using the Computer / Laptop and transmitted through radio frequency transceiver units and through Cat. 6 cable. Overall Dimension of the entire Display System shall be **15.12 ft. (Width) x 10.08 ft. (Height)**. The above display system shall be fixed on the MS Structural. The detail specification of Outdoor Full Colour (HD) LED Programmable type Display Board is as under.

1) Technical Specification of Outdoor Full Colour (HD) LED Programmable Type Display Board.

<table>
<thead>
<tr>
<th></th>
<th>1) Technical Specification of Outdoor Full Colour (HD) LED Programmable Type Display Board.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pixel Pitch</td>
</tr>
<tr>
<td>2</td>
<td>Pixel Density</td>
</tr>
<tr>
<td>3</td>
<td>LED Type</td>
</tr>
<tr>
<td>4</td>
<td>Brightness</td>
</tr>
<tr>
<td>5</td>
<td>Colour</td>
</tr>
<tr>
<td>6</td>
<td>Display size</td>
</tr>
<tr>
<td>7</td>
<td>Display</td>
</tr>
<tr>
<td>8</td>
<td>LED Life/Durability</td>
</tr>
<tr>
<td>9</td>
<td>Module Resolution(dots)</td>
</tr>
<tr>
<td>10</td>
<td>Cabinet</td>
</tr>
<tr>
<td>11</td>
<td>Coating</td>
</tr>
<tr>
<td>13</td>
<td>Power Supply</td>
</tr>
<tr>
<td>14</td>
<td>Linguistics</td>
</tr>
<tr>
<td>15</td>
<td>Visibility Range</td>
</tr>
<tr>
<td>16</td>
<td>Viewing Angle</td>
</tr>
<tr>
<td>17</td>
<td>Construction of The Display</td>
</tr>
<tr>
<td>18</td>
<td>Power</td>
</tr>
<tr>
<td>19</td>
<td>Memory Spread</td>
</tr>
<tr>
<td></td>
<td>Service Access</td>
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<tr>
<td>21</td>
<td>Mounting Type</td>
</tr>
<tr>
<td>22</td>
<td>Ingress Protection</td>
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<tr>
<td>23</td>
<td>Driving IC</td>
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<tr>
<td>24</td>
<td>Drive method</td>
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<tr>
<td>25</td>
<td>Temperature Range</td>
</tr>
<tr>
<td>26</td>
<td>Humidity</td>
</tr>
<tr>
<td>27</td>
<td>Data Processing</td>
</tr>
<tr>
<td>28</td>
<td>Refresh rate</td>
</tr>
<tr>
<td>29</td>
<td>Intensity Control</td>
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<tr>
<td>30</td>
<td>Video File formats</td>
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<tr>
<td>31</td>
<td>Audio Formats</td>
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<tr>
<td>32</td>
<td>Range Supported</td>
</tr>
<tr>
<td>33</td>
<td>Software Features</td>
</tr>
<tr>
<td>34</td>
<td>Supported Networking</td>
</tr>
<tr>
<td>35</td>
<td>Stand and Canopy</td>
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<tr>
<td>36</td>
<td>Data Synchronization</td>
</tr>
</tbody>
</table>
| 37 | Processing Features | The Display board shall be manufactured using superior quality P-6 LED modules and shall have the following provisions.  
  a) PC Communication RS232/485/LAN (b) Ethernet port (c) Real time communication with PC work as monitor (d) Input (d) Character size programmable (e) Input Source, SDI, Composite, RGB, DP, DVI, HDMI, VGA, LAN Support. Output Media- Various format of video, Flash, Image, TV, RSS Feed, CCTV, DVD Support, JPEG, WMV, AVI, PLC Flash Image, MS Office. Option for MIC to be provided, 2 Nos of weather proof Speaker of 200Watt(RMS) shall be supplied along with LED Display Board (l) Capable of withstand weathering all outdoor conditions. Timer shall be provided for automatic display as per the requirement of the customer; Sensor for temperature & Air Quality Measurement shall be provided which shall also be displayed. |
| 38 | Make of LED        | Nichia/ Cree/ Nationstar |
The Bidder/OEM Should be an ISO Certified organization. The OEM should have CE and FCC certified. BIS is mandatory on OEM name for P-6 module.

The Outdoor Full Colour (HD) LED Programmable type Display Board shall be mounted on GI Structure. The GI Structure shall be fabricated out of 75 mm x 75 mm x 6 mm GI Angles in main members & 50x 50 x 5 mm. cross members & flats, 18 SWG CR Sheets, 1", 14 SWG Square & Round pipes along with steel canopy, service platform, approach staircase along with SS nuts, bolts & washers. The frame of complete message display board shall be fixed up in bolting system structure with RCC foundation. The Contractor has to prepare RCC foundation with supply of all civil materials and foundation HT bolts & nuts to fix the structure. Apart from above, Pit excavation and other civil work required for erection of display board shall be carried out by the contractor at their cost. The GI Structure / cabinet shall be painted with two coat epoxy primer and two coat marine grade epoxy paint.

The GI Structure shall withstand wind speed up to 150 Kmph.

Cabinet (Box): The cabinet would be fabricated out of 18 SWG CR Sheet of Black matt Powder Coated finish & 4 mm thick Red Transparent Perplex sheets, in the front, for the Digital portion of the Display Board.

2) Other Commercial Conditions:
   a) Payment Terms:
      The payment will be made as follows:
      
i) 90% payment will be released after successful completion of the work and acceptance thereof by the Engineer In-charge (EIC).
      ii) Balance 10% of the total contract value shall be retained by PPT towards Performance Security Deposit. The Performance Security Deposit shall be released after successful completion of the warranty period only. The Contractor may furnish a Bank Guarantee of equal value valid till 60 days after expiry of the warranty period in which case the balance 10% money will be released for payment.

   b) Security Deposit:
      A sum of 10% of accepted value of the tender shall be deposited by the successful bidder (Contractor) as Security Deposit (SD). This will be deposited initially 1% value of the contract as initial security deposit (ISD) in shape of a Bank Guarantee or Demand Draft (DD) / Banker’s Cheque drawn in favour of FA&CAO, Paradip Port Trust (DD/ Banker’s cheque shall be payable at Paradip) within 15 days of issue of Letter of Intent (LOI). After deducting the EMD and ISD from the stipulated security deposit, the balance amount will be recovered in instalment through deduction at the rate of 10% of the value of each running account bill subject to attaining the required amount by the last running bill. In case of exemption of EMD, the successful bidder has to deposit initially 3% of the contract value as ISD instead of 1% of contract value.

      The Contractor may submit Bank Guarantee for the balance amount after deducting the EMD and ISD from the stipulated security deposit in which case there will be no deduction from the running bills towards security deposit.
EMD of the successful bidder may be refunded to the bidder after receiving an equivalent amount of Bank Guarantee only after issue of work order and signing of agreement.

The Contractor may also submit Bank Guarantee for a sum of 10% of accepted value of tender as Security Deposit (SD) within 15 days of issue of Letter of Intent (LOI) in which case (i) deposit of 1% ISD will not be required; (ii) there will be no deduction from the running bills towards security deposit; and (iii) EMD of the successful bidder will be refunded to the bidder after issue of work order and signing of agreement.

The security deposits shall be returned to the Contractor within 45 days of successful execution and acceptance of the work. The BG shall be valid till 45 days after the scheduled date of completion of the work.

c) **Completion Period:**

The Contractor shall complete the work “Supply, installation and Commissioning of 02 nos. Outdoor Full Colour (HD) LED Programmable type Display Board near Administrative Building and Atharbanki Gate of Paradip Port” in all respect within 90 (Ninety) Calendar days from the date of issue of work.

d) **Liquidated Damage:**

In case of delay in completing the work, liquidated damage shall be charged to the Contractor at the rate 0.25% of the contract price for a delay of one week or part thereof subject to a maximum of 5% of the contract price. Where the Liquidated Damage amount exceeds the maximum limit, Paradip Port Trust reserves the right to :- i) Terminate the contract and / or ii) Forfeit the Initial Security Deposit (ISD).

e) **Third Party Inspection:**

The design of RCC base and the metallic structure to withstand 150 Km/hr. wind speed shall have to be certified by EIL/RITES as the Third Party Inspection Agency.
BILL OF QUANTITY (BOQ)

Sub.: Supply, installation and Commissioning of 02 nos. Outdoor Full Colour (HD) LED Programmable type Display Board near Administrative Building and Atharbanki Gate of Paradip Port.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Work</th>
<th>Qty.</th>
<th>Unit</th>
<th>Rate (in Rs.)</th>
<th>Amount (in Rs.)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply of Outdoor Full Colour (HD) LED Programmable type Display Board as per technical specification specified in the scope of work with PC.</td>
<td>02</td>
<td>Nos.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Supply of GI Structural for fixing up display board as per scope of work along with canopy, service platform, approach staircase.</td>
<td>02</td>
<td>Nos.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Casting of RCC foundation and installation of GI Structural with supply of all materials for fixing of the display board as per scope of work.</td>
<td>02</td>
<td>Nos.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(A) SUPPLY PART:

(B) INSTALLATION & COMMISSIONING PART:

| 4      | Installation, Commissioning & synchronisation charges for the complete display system. | 02   | Nos. |               |                 |         |
| 5      | Earthing as per IE rule with supply of all materials and labour cost. | 02   | Nos. |               |                 |         |
| 6      | Annual Maintenance Contract of Full Colour (HD) LED Programmable type Display System (02 systems) inclusive of both spares and services after expiry of warranty period. | 36   | Months. |               |                 |         |

GRAND TOTAL (A + B):

NOTE:
1. GST if any, percentage may be mentioned as extra.
2. Any query in this regard may be raised to the following email id prior to dt.06/11/2017 (up to 17:00 hrs.) which will be clarified by dt.10/11/2017 by uploading in the website for facilitating submission of a competitive budgetary offer.
3. Budgetary offers shall be submitted to the following address (through email or by Registered Post):
   Executive Engineer (Elect),
   Port Electrical Division – II,
   Paradip Port Trust.
   PO:- Paradip,
   Dist:- Jagatsighpur
   Odisha – 754142
   Contact No. 9777180842
   Email Id: rnsahooeeppt@gmail.com