

**HALDIA DOCK COMPLEX
SYAMA PRASAD MOOKERJEE PORT KOLKATA
CORRIGENDUM NOTICE**

Tender No. AD/007/GIS/2022

Name of work: SURVEY AND DEVELOPMENT, COMMISSIONING & FIVE-YEAR MAINTENANCE OF GIS BASED LAND ASSET MANAGEMENT SYSTEM OF HALDIA DOCK COMPLEX, SYAMA PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

| Sl. No. | Tender Clause Reference | As per original Tender Document | To be read as |
|---------|---------------------------|--|---|
| 1 | Clause 2.1 Page 17 | 2.1 HDC, SMP is a premier dock system in eastern India under the Ministry of Shipping , Government of India handling vessels and cargo to cater to the demand of a vast hinterland. | HDC, SMP is a premier dock system in eastern India under the Ministry of Ports, Shipping and Waterways , Government of India handling vessels and cargo to cater to the demand of a vast hinterland. |
| 2 | Clause 2.3 (a) Page 17 | 2.3 (a) Indian Port Association (IPA), an apex body for major public sector Ports in India, has initiated an Enterprise Business System (EBS) project at five Major Port Trust including Haldia Dock Complex, Syama Prasad Mookerjee Port on behalf of the Ministry of Shipping comprising three core solutions viz. Port Operation Solution, Standard ERP Solutions and Auxiliary Solutions apart from other issues like infrastructure, change management, etc. | Indian Port Association (IPA), an apex body for major public sector Ports in India, has initiated an Enterprise Business System (EBS) project at five Major Port Trust including Haldia Dock Complex, Syama Prasad Mookerjee Port on behalf of the Ministry of Ports, Shipping and Waterways , comprising three core solutions viz. Port Operation Solution, Standard ERP Solutions and Auxiliary Solutions apart from other issues like infrastructure, change management, etc. |

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|---|--|--|---|----------------|---------------------------------|----------|----|-----------------------|---|-------|----|-----------------------------|----|----------------------|---|-------------------|----|--------------------------|----|---------------|---|-----------------------------------|----|----------|----|------------------|---|----------------|----|---------|----|--------|---|----------------------|----|----------------------------|----|---------------------------------|---|----------|----|----------------------|----|--------------------|---|-----------|----|---------|----|-------|---|-------|----|----------|----|-----------------|---|---|----------------|----|----------|----|-----------------------|---|-------|----|-----------------------------|----|----------------------|---|-------------------|----|--------------------------|----|---------------|---|-----------------------------------|----|----------|----|---------------|---|----------------|----|---------|----|--------|---|----------------------|----|----------------------------|----|---------------------------------|---|----------|----|----------------------|----|--------------------|---|-----------|----|---------|----|-------|---|-------|----|----------|----|-----------------|
| 3 | Clause 3.3 (a) Point 22 Page 18 | <p>The survey shall be carried out by using Total Station (with linear accuracy of 5mm and angular accuracy of 2 seconds) & Differential Global Positioning System (DGPS) [atleast 1 metre accuracy] covering physical features like Dock boundary walls with gates and its allied structures, Storage Yards including Transit Sheds, Licensed plots (occupied and vacant), Other Miscellaneous Structures covering the following layers:</p> <table><tr><td>1</td><td>Poles & Towers</td><td>10</td><td>Railways</td><td>19</td><td>Railway installations</td></tr><tr><td>2</td><td>Roads</td><td>11</td><td>Marine Infrastructure Point</td><td>20</td><td>Cables (underground)</td></tr><tr><td>3</td><td>PPP / BOT Project</td><td>12</td><td>Electrical Installations</td><td>21</td><td>Storage Sheds</td></tr><tr><td>4</td><td>Pipelines (including underground)</td><td>13</td><td>Culverts</td><td>22</td><td>Boundary Pillars</td></tr><tr><td>5</td><td>Compound Walls</td><td>14</td><td>Bridges</td><td>23</td><td>Drains</td></tr><tr><td>6</td><td>Land Based Equipment</td><td>15</td><td>Water Supply Installations</td><td>24</td><td>Plantation / Horticulture Areas</td></tr><tr><td>7</td><td>Hydrants</td><td>16</td><td>Misc Structure Lines</td><td>25</td><td>Fire Services line</td></tr><tr><td>8</td><td>Buildings</td><td>17</td><td>Wharves</td><td>26</td><td>Gates</td></tr><tr><td>9</td><td>Yards</td><td>18</td><td>Bollards</td><td>27</td><td>Berths /jetties</td></tr></table> | 1 | Poles & Towers | 10 | Railways | 19 | Railway installations | 2 | Roads | 11 | Marine Infrastructure Point | 20 | Cables (underground) | 3 | PPP / BOT Project | 12 | Electrical Installations | 21 | Storage Sheds | 4 | Pipelines (including underground) | 13 | Culverts | 22 | Boundary Pillars | 5 | Compound Walls | 14 | Bridges | 23 | Drains | 6 | Land Based Equipment | 15 | Water Supply Installations | 24 | Plantation / Horticulture Areas | 7 | Hydrants | 16 | Misc Structure Lines | 25 | Fire Services line | 8 | Buildings | 17 | Wharves | 26 | Gates | 9 | Yards | 18 | Bollards | 27 | Berths /jetties | <p>The survey shall be carried out by using Total Station (with linear accuracy of 5mm and angular accuracy of 2 seconds) & Differential Global Positioning System (DGPS) [atleast 1 metre accuracy] covering physical features like Dock boundary walls with gates and its allied structures, Storage Yards including Transit Sheds, Licensed plots (occupied and vacant), Other Miscellaneous Structures covering the following layers:</p> <table><tr><td>1</td><td>Poles & Towers</td><td>10</td><td>Railways</td><td>19</td><td>Railway installations</td></tr><tr><td>2</td><td>Roads</td><td>11</td><td>Marine Infrastructure Point</td><td>20</td><td>Cables (underground)</td></tr><tr><td>3</td><td>PPP / BOT Project</td><td>12</td><td>Electrical Installations</td><td>21</td><td>Storage Sheds</td></tr><tr><td>4</td><td>Pipelines (including underground)</td><td>13</td><td>Culverts</td><td>22</td><td>Boundary Wall</td></tr><tr><td>5</td><td>Compound Walls</td><td>14</td><td>Bridges</td><td>23</td><td>Drains</td></tr><tr><td>6</td><td>Land Based Equipment</td><td>15</td><td>Water Supply Installations</td><td>24</td><td>Plantation / Horticulture Areas</td></tr><tr><td>7</td><td>Hydrants</td><td>16</td><td>Misc Structure Lines</td><td>25</td><td>Fire Services line</td></tr><tr><td>8</td><td>Buildings</td><td>17</td><td>Wharves</td><td>26</td><td>Gates</td></tr><tr><td>9</td><td>Yards</td><td>18</td><td>Bollards</td><td>27</td><td>Berths /jetties</td></tr></table> | 1 | Poles & Towers | 10 | Railways | 19 | Railway installations | 2 | Roads | 11 | Marine Infrastructure Point | 20 | Cables (underground) | 3 | PPP / BOT Project | 12 | Electrical Installations | 21 | Storage Sheds | 4 | Pipelines (including underground) | 13 | Culverts | 22 | Boundary Wall | 5 | Compound Walls | 14 | Bridges | 23 | Drains | 6 | Land Based Equipment | 15 | Water Supply Installations | 24 | Plantation / Horticulture Areas | 7 | Hydrants | 16 | Misc Structure Lines | 25 | Fire Services line | 8 | Buildings | 17 | Wharves | 26 | Gates | 9 | Yards | 18 | Bollards | 27 | Berths /jetties |
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| 2 | Roads | 11 | Marine Infrastructure Point | 20 | Cables (underground) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PPP / BOT Project | 12 | Electrical Installations | 21 | Storage Sheds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Pipelines (including underground) | 13 | Culverts | 22 | Boundary Pillars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Compound Walls | 14 | Bridges | 23 | Drains | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Land Based Equipment | 15 | Water Supply Installations | 24 | Plantation / Horticulture Areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Hydrants | 16 | Misc Structure Lines | 25 | Fire Services line | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Buildings | 17 | Wharves | 26 | Gates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Yards | 18 | Bollards | 27 | Berths /jetties | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Poles & Towers | 10 | Railways | 19 | Railway installations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Roads | 11 | Marine Infrastructure Point | 20 | Cables (underground) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | PPP / BOT Project | 12 | Electrical Installations | 21 | Storage Sheds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Pipelines (including underground) | 13 | Culverts | 22 | Boundary Wall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 6 | Land Based Equipment | 15 | Water Supply Installations | 24 | Plantation / Horticulture Areas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4 | Clause 3.3 (g) Page 19 | <p>3.3 (g) The maps shall capture all leased/Licensed land boundaries as well as vacant parcels of land and the involved CS/ LR plots therein from existing maps as an area feature and superimposed / matched on satellite data/imagery for land map creation.</p> | <p>3.3 (g) The maps shall capture all leased/Licensed land boundaries as well as vacant parcels of land and the involved CS/ LR plots therein from existing maps as an area feature and superimposed / matched on satellite data/imagery for land map creation.</p> <p>Available RS/LR map of mouzas involved in the area encompassed by the Dock boundary wall would be provided to the successful bidder. Seamless collage or stitching i.e mosaicking of individual RS/LR maps to make a single map for entire area encompassed by the Dock boundary wall is to be superimposed / matched on surveyed map/ satellite imagery for land map creation.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Clause 3.3 (j) | <p>3.3 (j) For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall</p> | <p>3.3 (j) For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to be</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | Page 19 | have to be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. | superimposed over high-resolution Multispectral (MX) ortho-rectified satellite imagery of spatial resolution better than 1 m, preferably 0.5m-0.8m. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. |
| 6 | Clause 3.3 (k) Page 19 | 3.3 (k) The solution must be enabled to update any change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation, etc. on a real-time basis during the entire tenure of the contract. Such information, consequent to survey, shall be incorporated within the logical system and published, so that the updated information is available. | 3.3 (k) The solution must be enabled to update any change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation, etc. on a near real-time basis during the entire tenure of the contract. Such information, consequent to survey, shall be incorporated within the logical system and published, so that the updated information is available. |
| 7 | Clause 3.3 (n) Page 20 | 3.3(n) The area which will be earmarked for the survey (only the area which is to be surveyed under this tender) have to be divided into small plots of 1000 sqm each and shall be properly demarcated. | 3.3(n) The area which will be earmarked for the survey (only the area which is to be surveyed under this tender) have to be divided into small plots of 1000 sqm each and shall be properly demarcated. Demarcation of plots is to be done logically. |
| 8 | Clause 3.11 Page 22 | <p>3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution. The same need to be updated & maintained. The system shall send real time notifications for the following:-</p> <p>3.11.1 Confirmation messages for the following:</p> <ul style="list-style-type: none"> a) Possession of Plots b) Renewal/compensation of plots c) Acceptance of surrender <p>3.11.2 Warning messages for the following:</p> <ul style="list-style-type: none"> a) Low LCAN balance b) Negative LCAN balance c) Plots that will be eligible for compensation in near future (e.g. one week) <p>3.11.3 Statements for the following:</p> | <p>3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution. The same need to be updated & maintained. The system shall send near real time notifications for the following:-</p> <p>3.11.1 Confirmation messages for the following:</p> <ul style="list-style-type: none"> a) Possession of Plots b) Renewal/compensation of plots c) Acceptance of surrender <p>3.11.2 Warning messages for the following:</p> <ul style="list-style-type: none"> a) Low LCAN balance b) Negative LCAN balance c) Plots that will be eligible for compensation in near future (e.g. one week) <p>3.11.3 Statements for the following:</p> |

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| | | a) Present possession of Plots b) Monthly LCAN statement c) Copy of generated invoice Note: The successful bidder shall be responsible for deployment of necessary SMS or email server for generation of above notifications/statements. | a) Present possession of Plots b) Monthly LCAN statement c) Copy of generated invoice Note: The successful bidder shall be responsible for deployment of necessary SMS or email server for generation of above notifications/statements. |
| 9 | Clause 3.12 Page 22 | 3.12 The location of the user standing in a plot must be reflected in the GIS mobile app installed in a cell phone (android/iOS) having GPS functionality. | 3.12 The location of the user standing in a plot must be reflected in the GIS mobile app installed in a cell phone (android) having GPS functionality. |
| 10 | Clause 3.21 Page 23 | 3.21 The successful bidder shall be exclusively responsible for any application software changes / updates at the LAMS, which may be required to ensure an integrated LAMS (i.e., the spatial system) with the existing EBAS (i.e., the non-spatial system) such that the allotted plot information is correctly reflected on near real-time basis at the spatial web application (LAMS). | 3.21 The successful bidder shall be exclusively responsible for any application software changes / updates at the LAMS, which may be required to ensure an integrated LAMS (i.e., the spatial system) with the existing EBAS (i.e., the non-spatial system) such that the allotted plot information is correctly reflected on near real-time basis at the spatial web application (LAMS). Prior to placement of work order, the 'Engineer of the Contract' may, at his/her discretion, choose not to award work related to integration of the proposed GIS based LAMS solution with the existing EBAS. In that case, the relevant integration work & cost quoted by the bidder in Part A and Part B of the Schedule of Rates shall not remain applicable. However, while evaluating price offer of techno-commercially qualified bidders, there is no change in tender condition regarding 'Evaluation of the Price Bid' [Clause 4.8]. |
| 11 | Clause 3.27 Page 24 | 3.27 TRAINING: The successful bidder shall have to train identified personnel of HDC, SMPK as well as stakeholders of HDC, SMPK, when necessary, initially after commissioning the system and for each year for the next four years as refresher training. Such training shall include general, operational and system | 3.27 TRAINING: The successful bidder shall have to train identified personnel of HDC, SMPK as well as stakeholders of HDC, SMPK, when necessary, initially after commissioning the system and for each year for the next four years as refresher training as per the following matrix: |

| | | administration aspects of the solution at no extra cost to HDC-SMPK. | <table><tr><th>Sl. No.</th><th>Description</th><th></th></tr><tr><td>1</td><td>No. of Users</td><td>20 (approx..)</td></tr><tr><td>2</td><td>Type of Users</td><td>Operational, Administrator and IT users</td></tr><tr><td>3</td><td>No. of training days per year</td><td>6 days (approx..)</td></tr><tr><td>4</td><td>Location of the training</td><td>Haldia</td></tr></table> <p>Such training shall include general, operational and system administration aspects of the solution at no extra cost to HDC-SMPK.</p> | Sl. No. | Description | | 1 | No. of Users | 20 (approx..) | 2 | Type of Users | Operational, Administrator and IT users | 3 | No. of training days per year | 6 days (approx..) | 4 | Location of the training | Haldia |
|---------|--|--|---|---------|-------------|--|---|--------------|---------------|---|---------------|---|---|-------------------------------|-------------------|---|--------------------------|--------|
| Sl. No. | Description | | | | | | | | | | | | | | | | | |
| 1 | No. of Users | 20 (approx..) | | | | | | | | | | | | | | | | |
| 2 | Type of Users | Operational, Administrator and IT users | | | | | | | | | | | | | | | | |
| 3 | No. of training days per year | 6 days (approx..) | | | | | | | | | | | | | | | | |
| 4 | Location of the training | Haldia | | | | | | | | | | | | | | | | |
| 12 | 2 Background Page 17 | The successful bidder shall be responsible for the Survey, Development, Commissioning and Maintenance of GIS based Land Asset Management System of Haldia Dock Complex, Syama Prasad Mookerjee Port at Haldia with comprehensive maintenance for a period of 5 (five) years. | <p>The successful bidder shall be responsible for the Survey, Development, Commissioning and Maintenance of GIS based Land Asset Management System of Haldia Dock Complex, Syama Prasad Mookerjee Port at Haldia with comprehensive maintenance for a period of 5 (five) years.</p> <p>The intending bidder is to additionally note that the instant tender has been conceived with service as the key deliverable complying with the ask as detailed in the scope of the tender document.</p> <p>As such, intending bidder is free to choose any technology, architecture etc. to arrive at the solution. However, the proposed solution must meet the terms & condition of the tender document.</p> | | | | | | | | | | | | | | | |
| 13 | 4.11 Delivery Page 31 | 4.11 All activities as per "SCOPE OF WORK" comprising survey, development & maintenance of equipment / software to be supplied and commissioned by the successful bidder within 180 days from the date of order letter. | 4.11 All / applicable activities as per "SCOPE OF WORK" comprising survey, development & maintenance of equipment / software to be supplied and commissioned by the successful bidder within 180 days from the date of order letter. | | | | | | | | | | | | | | | |

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| 14 | 4.12 Duration of contract Page 31 | The duration of contract shall be of Five years (Sixty months) from date of "SUCCESSFUL COMMISSIOING OF THE SOLUCTION" for Part A of the Scope of Work. | The duration of contract shall be of Five years (Sixty months) from date of "SUCCESSFUL COMMISSIOING OF THE SOLUCTION" for Part A or part thereof detailed in the Scope of Work. |
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PRE-BID MEETING QUERY

E- TENDER NUMBER: AD/007/GIS/2022 Dated: September 28, 2022

SURVEY AND DEVELOPMENT, COMMISSIONING & FIVE-YEAR MAINTENANCE OF GIS BASED LAND ASSET MANAGEMENT SYSTEM OF HALDIA DOCK COMPLEX, SYAMA PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

| Sl. No. | Tender Description | Page No. | Request for Clarification or Amendment | HDC Response |
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| 1 | <p>ELIGIBILITY CRITERIA The bidder shall submit evidence that the bidder has successfully executed similar work (both order letter and successful execution certificate to be provided) as per the following: (1) At least 3 similar works each worth not less than ₹ 6308063/- (Rupees Sixty Three Lakh Eight Thousand Sixty Three only) over a period of last 7 years ending on 31.08.2022 or (2) At least 2 similar works each worth not less than ₹ 7885079/- (Rupees Seventy Eight Lakh Eighty Five Thousand Seventy Nine only) over a period of last 7 years ending on 31.08.2022 or (3) At least one similar work worth not less than ₹ 12616126/- (Rupees One Crore Twenty Six Lakh Sixteen One Hundred Twenty Six only) over a period of last 7 years ending on 31.08.2022. NOTE 1: Similar work shall mean having experience in Survey of land, Development, Commissioning and Maintenance of GIS based Land Asset Management Software. NOTE 2: The term ‘completed work(s)’ means the executed / completed portion of work order, even if the work has not been completed in totality (subject to furnishing proof of executed value of the work in the form of completion certificate from the beneficiary to the effect that the job to this extent has been done by the bidder satisfactorily).</p> | <p>Clause 1.2 Page 15</p> | <p>We are requesting you kindly amend the similar nature of work to: Note 1 Similar work shall mean having experience in “Survey of land, Development, Commissioning and Maintenance of GIS based Land Asset Management Software” or “Any GIS based Mapping Project/GIS data integration Project in any sector or department with Development, Commissioning and Maintenance of Web Application with integration of GIS data” The purpose of the scope is to prepare GIS maps of very small area & integration of GIS data of large area & GIS based application development and we are requesting you kindly allow the above similar nature of work which has been implemented in multiple department / sectors in large scale Additional Experience Department may ask additional work orders for GIS based Land Management System like: “The bidder should have experience in at least 2/3 projects for the development of GIS based Land Management System & orders/completion certificate with client reference contact details needs to be provided During the technical evaluation we are requesting you kindly do the evaluation based on demonstration of any developed GIS based Land Management application with power point presentation about multiple functionalities for better judgement of the bidder under technical evaluation with marking.</p> | <p>No change. Tender condition prevails</p> |

PRE-BID MEETING QUERY

E- TENDER NUMBER: AD/007/GIS/2022 Dated: September 28, 2022

SURVEY AND DEVELOPMENT, COMMISSIONING & FIVE-YEAR MAINTENANCE OF GIS BASED LAND ASSET MANAGEMENT SYSTEM OF HALDIA DOCK COMPLEX, SYAMA
PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

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| 2 | The bidder shall submit average annual financial turnover during the above-mentioned period must be at least ₹ 4731047/- (Rupees Forty-Seven Lakh Thirty-One Thousand Forty Seven only). | Clause 1.4 Page 15 | Considering the nature of the work and estimated value the average annual turnover of a company may be at least 1-2 crore. We are requesting you kindly look-into this Also, the department may ask for ISO certified and CMMI level 3 organization | No Change. Tender condition prevails |
| 3 | The bidder shall submit certified copy of 'Employees State Insurance (ESI) Registration Certificate' OR an Affidavit affirmed before a First-Class Judicial Magistrate as per Annexure - V in case the bidder is not covered under ESI Act or exempted from it. In addition, an Indemnity Bond as per format given at Annexure – VIII shall also be submitted. | Clause 1.5 Page 15 | In respect of that can we submit Employee Medclaim Policy other than ESI. Here we are assuming Certified copy means self-attested copy, kindly confirm. | No Change. Tender condition prevails |
| 4 | The bidder shall submit certified copy of 'Provident Fund Registration Certificate OR an Affidavit affirmed before a First-Class Judicial Magistrate as per Annexure -IV in case the Bidder is not covered under Provident Fund Act or exempted from it. | Clause 1.6 Page 15 | Here we are assuming Certified copy means self-attested copy, kindly confirm. | Yes |
| 5 | Survey of land and its associated features: | Clause 3.3 Page 18 | We are requesting you kindly mentioned the feature type of the layers like point, line, or polygon. Like Building would be point or polygon. | No Change. Tender condition prevails |
| 6 | For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. | Clause 3.3 (j) Page 19 | What will be the resolution of the satellite image. | Please refer point 5 of the corrigendum published on HDC-SMPK website on October 22, 2022 |
| 7 | The maps shall capture all leased/Licensed land boundaries as well as vacant parcels of land and the involved CS/ LR plots therein from existing maps as an area feature and superimposed / matched on satellite data/imagery for land map creation. | 19 | Is digital geo-referenced cadastral map preparation with CS & LR plots is a part of the scope? Or department is having digital geo-referenced cadastral map with CS & LR plots with plot number separately? Kindly confirm what is to be done. Is superimposition of digital geo-reference map on surveyed | Please refer point 4 of the corrigendum published on HDC-SMPK |

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| | | | map is a par of the scope? Kindly confirm. Kindly confirm the existing projection & datum of the existing digital geo-referenced cadastral maps | website October 22, 2022 |
| 8 | The survey details and information associated with the land and its various associated features prepared with Geo Spatial data (both Vector and Raster) /Metadata/Services shall have to be stored, hosted on Government of India cloud in a secure manner for consumption by internal and external stakeholders of HDC, SMP Kolkata. | Clause 3.3 (i) Page 19 | We have understood that department will provide the server for hosting. So we are now assuming that upto UAT level the application is to be hosted on bidder's own server or department will provide separate development & training server. Kindly confirm | Please refer 3.3 (i) and 3.13 clause of the tender document |
| 9 | The area which will be earmarked for the survey (only the area which is to be surveyed under this tender) have to be divided into small plots of 1000 sqm each and shall be properly demarcated. | Clause 3.3 (n) Page 20 | Kindly elaborate the terms demarcation here. | Please refer point 7 of the corrigendum published on HDC-SMPK website October 22, 2022 |
| 10 | d. Allotment / renewal of plot shall be done in case sufficient balance is available in the LCAN deposit (Land Credit Account Number) of the concerned applicant / licensee to cover the bill amount for the entire duration of the proposed allotment renewal of plots so that the same amount can be adjusted from the LCAN account. e. If the Licensee is eligible for getting / extension of license, then they will be required to apply for renewal / extension within the ongoing license period. In case the licensee fails to apply for further extension of license within the ongoing license period then for delayed application interest will be levied @ 12% per annum from the date of expiry of the license till adjustment of the license fees for the extended period from the LCAN account. However, if the licensee fails to apply within 15 days from the expiry of the license, license will be considered as terminated and | Clause 3.7 (d) Page 20 | This is the process mentioned here? Kindly elaborate whether it is already in the existing application, or we need to implement this process here in the LAMS. Kindly confirm | This logic is there in the existing non-spatial application. |

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| | compensation charges will be levied for occupation beyond the original license period. | | | |
| 11 | The bidder shall have to develop the system where the virtual plot partitions are visible in the web-based software viz. GIS-based Land Allotment and Management System (LAMS). | Clause 3.7 (d) Page 21 | Is department is having any GIS server engine | No. Please refer point 12 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 12 | General | | Kindly share the front end & backend of the existing applications. Also, we are assuming that for integration, services API will be provided by the department &, if possible, at the bidding stage approx. number of service API to be integrated (API create by NIC & API create by the Bidder) | As per tender document, Incorrect assumption. Please refer point 12 of the corrigendum published on HDC-SMPK website October 22, 2022. Please refer clause 3.23 of the tender document. |
| 13 | 3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution. 3.12 The location of the user standing in a plot must be reflected in the GIS mobile app installed in a cell phone (android/iOS) having GPS functionality. | Clause 3.12 Page 22 | What is the scope of the work mobile application (in android or iOS) kindly mention. For android Google developer account can be purchased by the bidder but for Apple developer account needs to purchase by the department as they will not allow any 3 rd party | Please refer point 9 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 14 | 3.15 The successful bidder shall be exclusively responsible for publishing, updating, and maintaining all | Clause 3.15 | Standardisation Testing and Quality Certification (STQC) Directorate is an attached office of the Ministry of Electronics | No change. Tender |

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| | <p>services of the web portal and the mobile application (here web compliance to be provided “The commissioned portal shall have to be GIGW compliant and STQC certified.” The certification shall have to remain valid during the entire period of the contract, for which purpose renewal, if required, prior to expiration following prescribed procedure, shall be the responsibility of the successful bidder).</p> <p>3.18 The successful bidder shall be exclusively responsible for submission of required cyber security audit certification for the web portal & mobile application from any of the CERT-In empanelled vendors each year i.e. for 4 times during the comprehensive maintenance contract for 5 years at their own cost & effort. Renewal etc. shall be the exclusive responsibility of the successful bidder.</p> | <p>Page 22</p> <p>Clause 3.18</p> <p>Page 23</p> | <p>and Information Technology, Government of India, provides quality assurance services in the area of Electronics and IT through countrywide network of laboratories and centres only. The certification needs to be done by the department as they are also a govt. body. Kindly elaborate the role of the bidder in execution of the certificate & whose responsibility the bear the cost for that. As Security Testing is also to be done by the bidder 4 times from Cert in certified vendor so what the requirement of STQC.</p> | <p>condition prevails.</p> |
| 15 | <p>Note: The successful bidder shall be responsible for deployment of necessary SMS or email server for generation of above notifications/statements.</p> | <p>Clause 3.18</p> <p>Page 22</p> | <p>Kindly provide SMS package (number of SMS per year) to be purchased as there is cost involvement & there should be separate line item in the BOQ</p> <p>Hope EMAIL server has already been implemented in the department level as we need to use one email server configuration requirement with MAIL_Driver, MAIL_Host, MAIL_Port, MAIL username, MAIL Password, & MAIL Encryption etc. to integrate the email. Kindly confirm at the time of development, we will get all these information.</p> | <p>No change. Tender condition prevails.</p> |
| 16 | <p>3.26 The successful bidder shall be exclusively responsible for supply and maintaining any hardware and software required for survey as per clause I, development of solution as per clause II, integration with the existing and forthcoming systems as per clause III under ‘Part A’ of Scope of Work. All system & application software licenses must be updated at the time of delivery & commissioning and shall be in the name of Haldia Dock Complex, Syama Prasad Mookerjee Port Kolkata.</p> | <p>Clause 3.26</p> <p>Page 24</p> | <p>As the department will provide the server for hosting of the application so what are the requirement of Hardware here, kindly mention.</p> | <p>Please refer 3.3 (i) and 3.13 clause of the tender document</p> |

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| 17 | 3.27 TRAINING: The successful bidder shall have to train identified personnel of HDC, SMPK as well as stakeholders of HDC, SMPK, when necessary, initially after commissioning the system and for each year for the next four years as refresher training. Such training shall include general, operational and system administration aspects of the solution at no extra cost to HDC-SMPK. | Clause 3.27 Page 24 | Kindly provide the training schedule: 1. To how many users 2. Kindly mention the type of users 3. Total Number of days for the training to the executed initially 4. Total number of days for the training to be executed each year 5. In how many locations the training to be done | Please refer point 11 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 18 | 3.31 A bona fide, reputed organization having experience in executing and /or certifying GIS based solution/(s) shall be engaged by the successful bidder with approval of HDCSMPK as an Independent Certifying Agency (ICA). The cost and expenses towards such engagement shall be borne by the successful bidder. ICA will be responsible for the following: a. For quality/accuracy checks and ground truth against survey and GIS outputs or any deliverables in this regard to be delivered by the contractor. b. To certify that the compliance of accuracy criteria mentioned in the Scope of Work of the tender is ensured while delivering the outputs. c. To certify that the entire job has been undertaken and completed as per the Scope of Work (Part – A excluding maintenance portion) of the tender and to issue necessary Certificate based on which the Commissioning Certificate will be issued by HDC. d. Required checks may be carried out by the ICA in phases during execution of the job as may be necessary. The ICA will be engaged till successful commissioning of the solution in totality. | Clause 3.31 Page 25 | What is the requirement of ICA as we have our own QA/QC team & Testing? The cost for STQC, Security Audit or ICA should be provided by the client on actual basis as during the bidding time this can't be calculated as these depend on the actual application. So, we are requesting you kindly amend this clause as after certification, the bill can be generated on actual basis or department can provide the payment directly to the 3 rd party. | No change. Tender condition prevails. |
| 19 | 3.32 The successful bidder shall be responsible for post commissioning comprehensive maintenance support in entirety for a period of 60 months from the date of commissioning of complete software solution apposite to the clause 3.1–3.31 of this document. | Clause 3.32 Page 25 | We have understood that the maintenance is online maintenance only and the department will provide the access to the production server to the bidder. Kindly confirm. Depending upon the type of the issue an SLA needs to be mentioned here as the time to response and time to execute or | No change. Tender condition prevails. |

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| | <p>3.33 During the comprehensive maintenance period, the successful bidder shall have to provide support six days a week and shall have to attend, isolate & rectify any fault(s) within 24 (twenty-four) hours (next business day in case of holiday) from the time of logging of the complaint by email/phone etc. for the entire work to the satisfaction of General Manager (M&S), HDC-SMPK or his authorized representative as per 'Scope of Work'.</p> <p>3.34 The successful bidder shall have to create a helpdesk system for rectification of any fault/issue. If the successful bidder fails to rectify any fault within 24 (twenty-four) hours from the time of lodging the complaint, the successful bidder shall be required to pay a compensation of ₹10000.00 per day or part thereof subject to a maximum of 5% of the contract value.</p> <p>3.35 The successful bidder shall have to address/execute/resolve any/all issue(s), which shall include but not be limited to the integrated LAMS System, system software, application software, mobile application software, integration with various other systems etc. without any additional cost. Sufficient tools & spares for attending complaints shall have to be maintained by the successful bidder.</p> | | <p>resolve the issue is dependent on the issues which may arise during that period. There is no such thumb rule, the time to resolve may take more than 24 hours or may be more than that. So, penalty implication in that case is not recommended and it should be based on type of issue with minimum response type and maximum issue resolve time depends on the issue type. Kindly look into this.</p> | |
| 20 | <p>4.17 PAYMENT:</p> <p>a) Payment shall be made strictly as per provisions of the Schedule of Rates (SOR). No other charges shall be admitted or paid.</p> <p>b) Payment for PART A of "SCOPE OF WORK" (as per price bid / final value) shall be made in parts after "SUCCESSFUL COMMISSIONING OF THE SOLUTION" for each segment of Part A of the Scope of Work and after issuance of certificate by the Engineer of the Contract for</p> | <p>Clause 4.17</p> <p>Page 32</p> | <p>As part A work other than survey will be taken care simultaneously so we are requesting you kindly amend the payment terms like":</p> <p>100% Payment after survey and data submission 20% on SRS preparation & approval 40% on UAT 10% on Training 10% on Security Audit 20% after Commissioning and Go Live</p> | <p>No change. Tender condition prevails.</p> |

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| | Part A for each segment as defined under clause 4.11 of the tender document. | | | |
| 21 | Payment for applicable segments of PART B (as per price bid / final value) of “SCOPE OF WORK”, which has been successfully completed, shall be made after every 6 months on successful completion of comprehensive maintenance support in entirety for a period of 60 months from the date of commissioning. The payment shall be made after successful service. | Clause 4.17 (c) Page 32 | For Part B we are requesting you kindly amend the payment clause to quarterly total billing | No change. Tender condition prevails. |
| 22 | 4.23 WORKMEN COMPENSATION: The successful bidders must cover his employees / workers, who will be engaged for delivery, unloading & stacking job at HDC’s site, under workmen compensation act, fatal accident act and personal injuries insurance act for protection against any injury / accident and shall have to bear all the consequences and cost as applicable as per relevant acts. | Clause 4.23 Page 36 | We have our company Mediclaim policy and ESI, hope this can be provided against this clause at the time of execution of the work | No change. Tender condition prevails. |
| 23 | SCHEDULE OF RATES | Page 40 | <p>We are requesting you kindly amend the Schedule of Rate as per the scope of the work:</p> <ul style="list-style-type: none"> • Survey (Per Acre/Sq. Mt) • Development & commissioning of complete GIS application software solution excluding integration with existing and forthcoming systems of HDC as mentioned in clauses of Part A.II under Section 3 ‘Scope of Work’(One Time Cost) • Integration with existing EBAS systems of HDC as mentioned in clause 3.21, 3.22 and 3.24 of Part A.III. under Section 3 ‘Scope of Work’ (One Time Cost) • Integration with forthcoming EBS systems of HDC as mentioned in clause 3.23 of Part A.III under Section 3 ‘Scope of Work’ (One Time Cost) • STQC (One Time) • Security Audit (4 times) • ICA Audit (1 time) | No change. Tender condition prevails. |

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| | | | <ul style="list-style-type: none"> SMS Gateway (say 10 Lakhs SMS) | |
| 24 | Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid. October 20, 2022 up to 1500 hours | Page 8 | We are requesting you kindly extend the tender submission date as the tender has been floated on 28 th Sept and upto 11 th Oct was holiday due to Durga puja, & 14 th Oct is the pre bid meeting. The bidders are required more time to prepare such a comprehensive tender and the pre bid clarification is also required. So, we are requesting you kindly provide at least 7 working days after the pre bid clarification published | Please refer the corrigendum published on HDC-SMPK website on October 19, 2022. |
| 25 | (3) At least one similar work worth not less than ₹ 12616126/-(Rupees One Crore Twenty Six Lakh Sixteen One Hundred Twenty Six only) over a period of last 7 years ending on 31.08.2022. | Clause 1.2 Page 15 | We request you mention the period of last 7 years ending 31.08.2022 is for work order date or executed / completed portion/ongoing certificate. | Work Order as well as Commissioning Certificate should lie in the period of last 7 years ending 31.08.2022 Please refer Note 2 of clause 1.2 of the tender document. |
| 26 | NOTE 1: Similar work shall mean having experience in Survey of land, Development, Commissioning and Maintenance of GIS based Land Asset Management Software. | Clause 1.2 Page 15 | There might be different terminology/naming for the application name as per the various modules in a single application. We have delivered an application (POMS) wherein we have facilitated with multiple modules in a single application and Land asset management is one of the modules. Request you to please consider this clause as:- Similar work shall mean having experience in Survey of Land/Development, commissioning and Maintenance of GIS based Land Asset/Ports Operation Management Software. | No change. Tender condition prevails. |
| 27 | The successful bidder shall, at his own cost, charge, expense, risk, manpower and other arrangements, be responsible for carrying out a survey of approx. 93.90004 acre of land of Dock Interior Zone (highlighted portion shown in Annexure XIII). The exact quantum of survey shall be shown during the execution of work by | Clause Survey/ 3.1 Page 18 | We understand the survey activity is only for 93.90004 acres and the rest of the area details/base map will be provided by the HDC-SMPK. We understand the survey is for 93.9004 Acre is a one-time activity in the project tenure. We understand the necessary permission and site clearances will be provided by HDC-SMPK. | Please refer to clause 3.3(q) of the tender document. |

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| | the concerned Divisions (Sh&CH and I&CF Divisions of HDC-HDC-SMPK). The bidder shall have to quote as the survey rate per square meter and the payment shall be made on actual basis viz. the actual square meter area to be surveyed during execution. The value of survey area may increase or decrease substantially. However, to reiterate, payment for survey shall be made at actual as per survey per sq. meter cost established. The 941 acre land of Dock Interior Zone of HDC HDCSMPK comprising all the physical features as mentioned in clause 3.3.a. has already been surveyed during the execution of the existing GIS system deployed in 2015. The coordinates and dwg/shp/kml file shall be provided to the successful bidder for its | | | |
| 28 | The successful bidder shall be responsible for preparation of Geo- Referenced/Geo –Tagged maps of the surveyed land (approx. 1034.90004 collectively (93.90004 acre to be surveyed under this tender and 941 acre already surveyed in 2015) as mentioned in clause 3.1) | Clause Survey/ 3.2 Page 18 | We understand the georeferenced/ geo-tagged maps of the survey land for 93.90004 acre and the rest of the area details/base map will be provided by the HDCSMPK | Please refer clause 3.1 of the tender document. |
| 29 | The survey shall be carried out by using Total Station (with linear accuracy of 5mm and angular accuracy of 2 seconds) & Differential Global Positioning System (DGPS) [atleast 1 metre accuracy] covering physical features like Dock boundary walls with gates and its allied structures, Storage Yards including Transit Sheds, Licensed plots (occupied and vacant), Other Miscellaneous Structures covering the following layers: | Clause Survey/ 3.3 (a) Page 18 | We understand the Linear Accuracy of 5 mm and angular accuracy of 2 seconds is for the total station specifications that have to be deployed for the survey. We understand HDC-SMPK staff will be present in the site to identify and guide survey teams to capture the Licensed plots | Yes. Refer to clause 3.3 (a) of tender document. Refer to clause 3.1 of the tender document. Existing physical features would be shown at site to the successful bidder during execution of work. |

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| | | | We understand there is no scope of GPR survey for the underground cables/pipeline layers and the data will be provided by the HDC-SMPK | As per the provision of tender. |
| 30 | The survey may be performed using DGPS in real time or post processed mode. Data shall be duly Geo-referenced using Ground Control Points (GCP) collected by DGPS receivers. Levels shall also be taken from nearest Great Trigonometrical Survey Bench Mark (GTS BM) for the entire area. | Clause Survey/ 3.3 (b) Page 19 | We understand the GTS BM will be provided by the HDC-SMPK with the locations details and coordinate values for the post processing | No GTS Bench Mark would be provided. |
| 31 | Accuracy matching of the area, asset features, etc. by superimposing satellite data / imagery, as necessary | Clause Survey/ 3.3 (f) Page 19 | Surveyed data matching with the satellite image will be depends on the resolution of the imagery and data may not be matched exactly with the image? Please clarify. The input Satellite image will have a different scale and the data surveyed on-site will be in the different scales, due to this there may be a shift/variation between the both data sets. Request you to consider for the best possible results | Please refer point 5 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 32 | For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. | Clause Survey/ 3.3 (j) Page 19 | Request you to consider the budget for 100 Sq.Km as a line item in BOQ. If there is a possibility of a drone survey and we can get the required drone flying permissions from the HDC-SMPK. We can acquire high resolution 3CM imagery for the AOI and which will help HDC-SMPK for the future projects and maintenance activities as well. Please specify the Drone line item and exclude satellite images if drone flying is possible in the project site. | No change. Tender condition prevails. |
| 33 | The area which will be earmarked for the survey (only the area which is to be surveyed under this tender) have to be divided into small plots of 1000 sqm each and shall be properly demarcated. | Clause Survey/ 3.3 (n) Page 20 | The 1000 Sq. M small plots shall be shown in the site at the time of the survey by the HDC-SMPK team. We understand the demarcation is on the map only and not on the ground/onsite If it is onsite, the bidder needs to place any pegs/pillar/painting markings at the corners. If yes, what will be the quantity of the corners/locations? What is the frequency of the survey? | Physical area will be shown to the successful bidder. However, 1000 sqm plots should be properly demarcated |

PRE-BID MEETING QUERY

E- TENDER NUMBER: AD/007/GIS/2022 Dated: September 28, 2022

SURVEY AND DEVELOPMENT, COMMISSIONING & FIVE-YEAR MAINTENANCE OF GIS BASED LAND ASSET MANAGEMENT SYSTEM OF HALDIA DOCK COMPLEX, SYAMA
PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

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| | | | | logically. Please refer point 7 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 34 | 3 The successful bidder shall be exclusively responsible for hosting the entire solution on the Government of India cloud in a secure manner. The URL for accessing the LAMS application must also be configured at HDC-HDC-SMPK website and must be accessible from | Clause 3.13 Page 20 | We understand that the cost of Cloud servers will be provided by HDC SMPK | Please refer 3.3 (i) and 3.13 clause of the tender document. End-to-end responsibility shall lie on the successful bidder. |
| 35 | Customized or configured for the project would always be with HDC-SMPK. All applicable licenses, source code etc. of any software developed related to the project would be in the name of the purchaser, viz. HDC, HDC-SMPK and the same cannot be used anywhere without prior permission of HDC-HDC-SMPK. HDC-HDC-SMPK shall be the owner of all source code and licenses, as applicable. | Clause 4.14 Page 31 | The RFPs say that all source code is the property of HDC-SMPK and is deliverable for the project. Please clarify whether code that we have written earlier and may reuse as part of this project remains the property of bidder and need not be part of the deliverables. | As per the provision of Tender Document. |
| 36 | The Integration with Existing EBAS (NIC System) And Forthcoming EBS | Page 23 | We understand the API's for the integration will be provided client | Please refer clause 3.23 of the tender document. |
| 37 | 3.1 The 941 acre land of Dock Interior Zone of HDCSMPK comprising all the physical features as mentioned in clause 3.3.a. has already been surveyed during the execution of the existing GIS system deployed in 2015. The coordinates and dwg/shp/kml file shall be provided to the successful bidder for its publishing. | Clause 3.1 Page 18 - 19 | 1) As per the RFP, 941 acre of land has already been surveyed and all the layers exists with the department and the rest 93.90004 acre is to be surveyed. We as an OEM assume that the ortho-rectified satellite image for the whole 1034.90004 acre area will be procured/provided by concerned department. We will only incorporate the layers and publish | As per tender document. Incorrect assumption. End-to-end responsibility |

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PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

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| | j. For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement.... | | the same over the web portal. Please confirm our understanding. | shall lie on the successful bidder. |
| 38 | 3.3 Survey of land and its associated features: i. The survey details and information associated with the land and its various associated features prepared with Geo Spatial data (both Vector and Raster) /Metadata/Services shall have to be stored, hosted on Government of India cloud in a secure manner for consumption by internal and external stakeholders of HDC, SMP Kolkata. | Clause 3.3 (i) Page 19 | 1) We assume that access to the government of India cloud will be provided by the department for publication of data. | Please refer 3.3 (i) and 3.13 clause of the tender document. End-to-end responsibility shall lie on the successful bidder. |
| 39 | 3.3 (k). The solution must be enabled to update any change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation, etc. on a real-time basis during the entire tenure of the contract. Such information, consequent to survey,... 3.4 The successful bidder shall have to develop, commission and maintain web-based application and mobile software solution, where the Port Stakeholders apply for fresh plot allotment, renewal or surrender of their existing allotted plot. 3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution. | Clause 3.3 (k) Page 19, 20, 22 | 1) From the mentioned clauses we assume that the department require a survey solution mobile application where the surveyor will collect data on field and it will be updated in the web portal on near real time basis, for user management, geofencing, QAQC of surveyed data. Please confirm our understanding. 2) As per our understanding a separate web GIS portal is to be customized for the departmental users and another portal is to be developed as monitoring portal as part of the survey solution application. | Please refer point 6 of the corrigendum published on HDC-SMPK website October 22, 2022 regarding real-time issue. Rest as per the tender document. |

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| | <p>3.12 The location of the user standing in a plot must be reflected in the GIS mobile app installed in a cell phone (android/iOS) having GPS functionality.</p> <p>3.15 The successful bidder shall be exclusively responsible for publishing, updating, and maintaining all services of the web portal and the mobile application (here web compliance to be provided)</p> | | | |
| 40 | <p>h. The bidder shall have to develop the system where the virtual plot partitions are visible in the web-based software viz. GIS-based Land Allotment and Management System (LAMS).</p> <p>3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution.</p> | <p>Clause 3.3 (h)</p> <p>Page 21,22</p> | <p>1) We assume that the virtual Land partition is basically land mutation referring to the registration of the name of the property owner in the Record of Right.</p> <p>2) For performing the procedure mentioned in RFP, a separate module is required. We understand that customization of the software solution over the web-portal for a dedicated Land Information System or Land Parcel Management module is required for the project, please confirm our understanding and if so please include the same in the SCHEDULE OF RATES.</p> <p>3) Also please mention the exact GIS functionalities required for the LAMS.</p> <p>4) Please confirm that the separate module is also required to be delivered over the Cloud platform or not.</p> | <p>No Change. Tender condition prevails.</p> |
| 41 | <p>3.11 The successful bidder shall have to develop both desktop browser based and mobile application for the software solution.</p> | <p>Clause 3.11</p> <p>Page 22</p> | <p>1) According to the mentioned clause of the RFP, we assume that the whole desktop and the web portal is to be customised and delivered over the Cloud platform. In addition access to cloud platform infrastructure for deployment will be provided by the department.</p> <p>Please confirm our understanding.</p> <p>2) Please mention the total number of desktop licenses required and add the same on the SCHEDULE OF RATES.</p> | <p>Incorrect assumption.</p> <p>Please refer 3.3 (i) and 3.13 clause of the tender document.</p> <p>Please refer point 12 of the corrigendum published on HDC-SMPK</p> |

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| | | | | website October 22, 2022. |
| 42 | 3.11 3.11.2 Warning messages for the following: a) Low LCAN balance... | Clause 3.11 Page 22 | 1) As mentioned in the RFP, we assume that the LCAN data will be provided to us by the department. We as a GIS OEM will only integrate the data over the GIS based web portal. Please confirm our understanding | Yes, as per the provision of the tender document. |
| 43 | ELIGIBILITY CRITERIA: 1.2 The bidder shall submit evidence that the bidder has successfully executed similar work (both order letter and successful execution certificate to be provided) as per the following: (1) At least 3 similar works each worth not less than ₹ 6308063/- (Rupees Sixty-Three Lakh Eight Thousand Sixty Three only) over a period of last 7 years ending on 31.08.2022 or (2) At least 2 similar works each worth not less than ₹ 7885079/- (Rupees Seventy-Eight Lakh Eighty-Five Thousand SeventyNine only) over a period of last 7 years ending on 31.08.2022 or (3) At least one similar work worth not less than ₹ 12616126/- (Rupees One Crore Twenty Six Lakh Sixteen One Hundred Twenty-Six only) over a period of last 7 years ending on 31.08.2022. NOTE 1: Similar work shall mean having experience in Survey of land, Development, Commissioning and Maintenance of GIS based Land Asset Management Software. NOTE 2: The term 'completed work(s)' means the executed / completed portion of work order, even if the work has not been completed in totality (subject to furnishing proof of executed value of the work in the form of completion certificate from the beneficiary to the | Clause 1.2 Page 15 | Considering the technical activities involved in this project which are of utmost priority in checking a company's experience in relevant field, companies which are experienced in Survey & GIS mapping of Land, Properties must be permitted to participate in the bid. Therefore, we request you to kindly consider experience of surveying and GIS mapping of properties criteria to make the competition open and fair. NOTE: Similar work shall mean having experience in Survey of land/Properties Development, Commissioning and Maintenance of GIS based Land/Properties Asset Management Software. We also request the authorities to kindly consider ongoing project experience also considering the COVID19 pandemic in our country. | No change. Tender condition prevails. |
| 44 | The 941-acre land of Dock Interior Zone of HDCSMPK comprising alD3:D9l the physical features as mentioned in clause 3.3.a. has already been surveyed during the execution of the existing GIS system deployed in 2015. The coordinates and dwg/shp/kml file shall be provided to the successful bidder for its publishing. | Clause 3.1 Page 18 | We understand this dwg/shp/kml file which will be provided by the department is georeferenced and with attributes data model, kindly confirm? | As per provision of tender (clause 3.1). |

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| 45 | The successful bidder shall be responsible for preparation of Geo-Referenced/Geo –Tagged maps of the surveyed land (approx. 1034.90004 collectively (93.90004 acre to be surveyed under this tender and 941 acre already surveyed in 2015) as mentioned in clause 3.1) and its associated features and publish over web portal for a period of 5 years from the date of successful commissioning of the solution including maintaining the entire Integrated Land Assets Management System (LAMS) Solution and the integration with the existing/running/commissioned EBAS AND the forthcoming EBS system or any system for land allotment. | Clause 3.2 Page 18 | 1) From the above mentioned doc, we understand that maps are already georeferenced. So task would be to create map services from the data and maintain it. Kindly confirm. 2) Kindly elaborate about EBAS AND the forthcoming EBS system? | Please refer tender clause 3.21-3.24 |
| 46 | The successful bidder shall have to develop, commission and maintain web-based application and mobile software solution, where the Port Stakeholders apply for fresh plot allotment, renewal or surrender of their existing allotted plot. | Clause 3.4 Page 20 | Kindly confirm 1) The mobile application is only for field survey? 2) Or Web Application and mobile application should be mobile/device agnostic? | As per Tender Document |
| 47 | The successful bidder shall be responsible for preparation of Geo-Referenced/Geo –Tagged maps of the surveyed land (approx. 1034.90004 collectively (93.90004 acre to be surveyed under this tender and 941 acre already surveyed in 2015) as mentioned in clause 3.1) | Clause 3.2 Page 18 | 1) Kindly clarify is your existing GIS system maintains the Industry standard parcel data model for land parcel management, which contain line categories for Boundary, Dependent, Precise Connection, Road Frontage, Common boundary for adjacent plots. etc. 2) If not, does the department want to maintain the industry standard software modules to main Industry standard parcel data model for port land. | NOT RELEVANT This tender has no relation with the existing GIS System. As per tender document. |
| 48 | i. The survey details and information associated with the land and its various associated features prepared with Geo Spatial data (both Vector and Raster) /Metadata/Services shall have to be stored, hosted on Government of India cloud in a secure manner for consumption by internal and external stakeholders of HDC, SMP Kolkata. | Clause 3.3 (i) Page 19 | We understand that following are industry standard metadata formats: *ISO 19115, Geographic information — Metadata and the implementation specification *ISO 19139, Geographic information — Metadata — XML schema implementation Kindly confirm if the department would like to maintain above all industry standard metadata formats and standards? | As per tender document. |

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| 49 | k. The solution must be enabled to update any change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation, etc. on a real-time basis during the entire tenure of the contract. Such information, consequent to survey, shall be incorporated within the logical system and published, so that the updated information is available. | Clause 3.3 (k) Page 19 | We understand, the department asking for a dynamic dashboard with latest and modern smart mapping and business intelligence configurable GIS based workflows to monitor the change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation land data with Unique Header, Slideber, Map, Map Legend, Serial Chart, Pie Chart, Indicator, Gauge, List, Table, Details, Embedded content etc. Kindly confirm. | As per tender document. |
| 50 | 3.4The successful bidder shall have to develop, commission and maintain web-based application and mobile software solution, where the Port Stakeholders apply for fresh plot allotment, renewal or surrender of their existing allotted plot. | Clause 3.4 Page 20 | Kindly assist with following information for better solution sizing keeping the cost at optimum and for capacity planning. 1) Approximate No. of concurrent user viewing GIS data? 2) Approximate No. of total user use the GIS Application? 3) Approximate No. of concurrent editor use GIS data? 4) Approximate No. of total mobile user who will use GIS mobile Application? | 1) Approximate No. of concurrent user viewing GIS data - 100 2) Approximate No. of total user use the GIS Application-500 3) Approximate No. of concurrent editor use GIS data-10 4) Approximate No. of total mobile user who will use GIS mobile Application-500 This may scale up to 50% during the tenure of the contract. |
| 51 | The proposed system shall have range-based query features with outputs capable of being highlighted in different color schemes, various quantitative analysis | Clause 3.8 | We understand that the department wants display of operational and financial information with GIS based multifunctional dashboard. Kindly confirm. | As per tender document. |

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| | features, display of operational and financial information of existing and proposed stakeholders, fast location search facility to identify any location on the map as well as a display of location information by clicking on the map. | Page 21 | | |
| 52 | c) The non-spatial REFX module of the Enterprise Business System i.e., EBS & the GIS based LAMS shall work in an integrated manner for obtaining requests for land allotment, land allotment itself, publishing & sending of allotment information to end-users etc. The allotment information shall have to be correctly reflected on the GIS based LAMS on a near real-time basis. | Clause 2.3 (c) Page 17 | 1) "EBS & the GIS based LAMS would be integrated". Do you want the GIS Technology to have SAP integration natively understand the data model and related schemas of the REFX module? 2) "The allotment information shall have to be correctly reflected on the GIS based LAMPS on a near real-time basis". Do you want realtime information projection via bi-directional connectivity of SAP module. | As per tender document. |
| 53 | g. The maps shall capture all leased/Licensed land boundaries as well as vacant parcels of land and the involved CS/ LR plots therein from existing maps as an area feature and superimposed / matched on satellite data/imagery for land map creation. | Clause 3.3 (g) Page 19 | For Land map creation, kindly confirm 1. If the department will provide high resolution satellite Imagery for the last 5 to 7 years to understand the land cover of the port authorised area? OR 2. If bidder needs to provide freely available imagery for the same. | No. Refer to clause no. 3.3 (j) of tender document. |
| 54 | The successful bidder shall be exclusively responsible for submission of required cyber security audit certification for the web portal & mobile application from any of the CERT-In empaneled vendors each year i.e. for 4 times during the comprehensive maintenance contract for 5 years at their own cost & effort. Renewal etc. shall be the exclusive responsibility of the successful bidder | Clause 3.17 Page 23 | We understand that the department wants good security for EBS & the GIS based LAMS system, but not found any Enterprise identity-based security model such as an Active Directory-based, LDAP-based, or SAML-based identity provider asked for GIS based LAMS. Kindly let us know what would be the security model? | No change. Tender condition prevails. |
| 55 | The successful bidder shall be exclusively responsible for maintaining high-availability (at least 95% uptime) of this secure portal service. For this purpose, the successful bidder Page 23 of 57 shall have to submit an 'Uptime Report' from the concerned service provider once every quarter before processing of bills. | Clause 3.16 Page 22 | High-availability with 98% uptime is the minimum Industry Standard for any good Enterprise system, whereas department asked for 95% uptime. We are suggesting that the department must think on it. | No change. Tender condition prevails. |
| 56 | #j. For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to | Clause 3.3 (j) | Please specify the spatial resolution of the image to be procured | Please refer point 5 of the corrigendum |

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| | be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. | Page 19 | | published on HDC-SMPK website October 22, 2022. |
| 57 | #k. The solution must be enabled to update any change in status/ nature of land viz, occupied to vacant/vacant to occupied, change in boundary demarcation, etc. on a real-time basis during the entire tenure of the contract. Such information, consequent to survey, shall be incorporated within the logical system and published, so that the updated information is available. | Clause 3.3 (k) Page 19 | Please elaborate the term “Real time basis”. Please elaborate further about the solution you are expecting to be developed. | Please refer point 6 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 58 | Point 1: The solution should have change analysis capabilities regarding land utilization /land cover change for which the base data would be retained and should have update capabilities & each time updated data in due course of time would be separately published as a separate layer. | Clause 3.3 (l) Page 19 | With reference to the terminology used “Change Analysis” is it expected that the change analysis will be based on survey or based on Satellite image. o If it is based on survey please let us know the schedule to be maintained for resurvey (as once a year, twice a year or as suggested) In case it is based on Satellite image please specify number of procurements to be done during 5 year tenure | Refer to clause 3.3 (k) of tender document. |
| 59 | The successful bidder shall be exclusively responsible for hosting the entire solution on the Government of India cloud in a secure manner. The URL for accessing the LAMS application must also be configured at HDC-SMPK website and must be accessible from | Clause 3.13 Page 22 | Page 22 point 3.13 With reference to hosting on “Govt. of India cloud “can it be assumed that you are suggesting MEITY enabled cloud or you want it to be hosted on NIC server. • In case it is MEITY enabled cloud can it be assumed that data and application can be hosted on cloud server. Please suggest preferred cloud architecture. • Can it be assumed that procurement of Cloud infrastructure will not be responsibility of successful bidder Please suggest if there is any preference for deployment environment and specific Web GIS platform | Please refer 3.3 (i) and 3.13 clause of the tender document Please refer point 12 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 60 | The successful bidder shall be exclusively responsible for any application software changes / updates at the LAMS, which may be required to ensure an integrated LAMS | Clause 3.21 | Please suggest if there is any preference for deployment environment and specific Web GIS platform | As per tender document. |

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| | (i.e., the spatial system) with the existing EBAS (i.e., the non-spatial system) such that the allotted plot information is correctly reflected on near real-time basis at the spatial web application (LAMS). | Page 23 | | Please refer point 12 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 61 | The successful bidder shall be responsible to integrate the GIS based LAMS System with EBAS till the new System viz. Enterprise Business System (EBS) replaces the EBAS System completely (refer EBS at clause 2.3). | Clause 3.24 (a) Page 24 | Please provide an outline of deployment set up of existing software EBAS and the upcoming system EBS | No change. Tender condition prevails. |
| 62 | The successful bidder shall be exclusively responsible for supply and maintaining any hardware and software required for survey as per clause I, development of solution as per clause II, integration with the existing and forthcoming systems as per clause III under 'Part A' of Scope of Work. All system & application software licenses must be updated at the time of delivery & commissioning and shall be in the name of Haldia Dock Complex, Syama Prasad Mookerjee Port Kolkata. | Clause 3.26 Page 24 | Please provide further details with reference to statement "All system & application software licenses must be updated at the time of delivery & commissioning and shall be in the name of Haldia Dock Complex, Syama Prasad Mookerjee Port Kolkata." | No change. Tender condition prevails. |
| 63 | The bidder shall submit Audited balance sheet and Profit & Loss account for the last 3 (three) financial years (i.e. 2019-2020, 2020-2021, 2021-2022). | Clause 1.3 Page 15 | Can we submit Audited Balance Sheet for the Financial Year 2018-19; 2019-20 and 2020-21 as our Balance Sheet for 2021-22 is not yet signed. | No change. Tender condition prevails |
| 64 | Sec-II | Page 20 | Please confirm the requirement of GIS Platform – COTS / Open Source | Please refer point 12 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 65 | 4.16 SECURITY DEPOSIT: a) The successful bidder, at own expense, shall have to keep with HDC, SMPK a Security Deposit amounting to 3% of the Order Value for the entire period of contract plus three months either in the form of 'CTS – 2010' benchmarked Demand Draft / Banker's Cheque / Pay | Clause 4.16 Page 32 | Please confirm – How banker Cheque / DD / Pay Order will be valid for more than 180 days from the date of issue. | As per tender document. |

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| | Order of any Nationalized / Scheduled Bank of India, in favour of “SYAMA PRASAD MOOKERJEE PORT, KOLKATA, Haldia Dock Complex”, payable at par at Haldia OR in the form of Bank Guarantee as per Appendix VI within 30 days from the date of Order Letter. If the successful bidder fails to pay the Security Deposit as indicated above, the Security Deposit will be recovered from the bill of the successful bidder. b) The Security Deposit shall be held by the “ENGINEER OF THE CONTRACT” as security for the performance of the successful bidder’s obligation under the contract. The Security Deposit shall be refunded without interest after successful completion of the entire period of contract plus three months subject to recovery of damage and / or loss incurred, if any, by HDC, SMPK due to default on the part of the successful bidder. c) The “ENGINEER OF THE CONTRACT” shall have the right to ask for the extension of the Security Deposit till such time the Contractual obligations are fulfilled and successful bidder will be duty bound to extend the same. | | | |
| 66 | General | | Please allow Consortium for Bidding | No change. Tender condition prevails |
| 67 | Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid. | Page 7 | Requesting you to extent the Tender Closing Date by another 21 days | Please refer the corrigendum published on HDC-SMPK website on October 19, 2022. |
| 68 | The survey details and information associated with the land and its various associated features prepared with Geo Spatial data (both Vector and Raster) /Metadata/Services shall have to be stored, hosted on Government of India cloud in a secure manner for | Part A, I, 3.3 (i) Page 19 | The client shall provide access to the cloud storage. Kindly Confirm | Please refer 3.3 (i) and 3.13 clause of the tender document. |

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| | consumption by internal and external stakeholders of HDC, SMP Kolkata. | | | End-to-end responsibility shall lie on the successful bidder. |
| 69 | For accuracy matching and publication of Land Asset information on the website the aforesaid layers (as mentioned in the item as per Sl. No. 3.3.a shall have to be superimposed over high-resolution multi spectral ortho-rectified satellite imagery. The satellite image is to be procured by the successful bidder from any authorized agency like NRSC-ISRO/ BHARATMAPS at their cost and arrangement and the satellite imagery should not be older than 6 months from the successful commissioning of the solution. | Part A, I, 3.3 (j) Page 19 | Since the Satellite imagery is planned to used as the data frame for the validation of survey data. Is there any suggestions regarding the specification of satellite imagery to be used? | Please refer point 5 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 70 | 1.2 The bidder shall submit evidence that the bidder has successfully executed similar work (Both order letter and successful execution certificate to be provided) as per the following: (1) At least 3 similar works each worth not less than ₹ 6308063/- (Rupees Sixty Three Lakh Eight Thousand Sixty Three only) over a period of last 7 years ending on 31.08.2022 or (2) At least 2 similar works each worth not less than ₹ 7885079/- (Rupees Seventy Eight Lakh Eighty Five Thousand Seventy Nine only) over a period of last 7 years ending on 31.08.2022 or (3) At least one similar work worth not less than ₹ 12616126/- (Rupees One Crore Twenty Six Lakh Sixteen One Hundred Twenty Six only) over a period of last 7 years ending on 31.08.2022. NOTE 1: Similar work shall mean having experience in Survey of land, Development, Commissioning and Maintenance of GIS based Land Asset Management Software. | Clause 1.2 Page 15 | Bidder having Experience of any GIS & MIS based application with integration of GIS data in any department in India. | No change. Tender condition prevails |

PRE-BID MEETING QUERY

E- TENDER NUMBER: AD/007/GIS/2022 Dated: September 28, 2022

SURVEY AND DEVELOPMENT, COMMISSIONING & FIVE-YEAR MAINTENANCE OF GIS BASED LAND ASSET MANAGEMENT SYSTEM OF HALDIA DOCK COMPLEX, SYAMA
PRASAD MOOKERJEE PORT, KOLKATA AT HALDIA, PURBA MEDINIPUR, WEST BENGAL, INDIA

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| | NOTE 2: The term ‘completed work(s)’ means the executed / completed portion of work order, even if the work has not been completed in totality (subject to furnishing proof of executed value of the work in the form of completion certificate from the beneficiary to the effect that the job to this extent has been done by the bidder satisfactorily). | | | |
| 71 | TRAINING: The successful bidder shall have to train identified personnel of HDC, SMPK as well as stakeholders of HDC, SMPK, when necessary, initially after commissioning the system and for each year for the next four years as refresher training. Such training shall include general, operational and system administration aspects of the solution at no extra cost to HDC-SMPK. | Clause: 3.27 Page 24 | <ul style="list-style-type: none"> • Number of users ? • Training will be given at central location or multiple location? • What is the total number of trainings to be given every year? | Please refer point 11 of the corrigendum published on HDC-SMPK website October 22, 2022. |
| 72 | PAYMENT: a) Payment shall be made strictly as per provisions of the Schedule of Rates (SOR). No other charges shall be admitted or paid. b) Payment for PART A of “SCOPE OF WORK” (as per price bid / final value) shall be made in parts after "SUCCESSFUL COMMISSIONING OF THE SOLUTION” for each segment of Part A of the Scope of Work and after issuance of certificate by the Engineer of the Contract for Part A for each segment as defined under clause 4.11 of the tender document. | Clause 4.17 Page 32 | Survey: 50 % Payment after survey done 50% Payment after data submission Application: 10 % after kick off meeting 10 % after SRS preparation & approval 35 % after User Acceptance Test 20 % after Training 15 % after Security Audit <ul style="list-style-type: none"> • 10 % after Go Live | No change. Tender condition prevails |
| 73 | Payment for applicable segments of PART B (as per price bid / final value) of “SCOPE OF WORK”, which has been successfully completed, shall be made after every 6 | Clause 4.17 | For Part B we are requesting you kindly change the payment clause as “quarter basis. | No change. |

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| | months on successful completion of comprehensive maintenance support in entirety for a period of 60 months from the date of commissioning. The payment shall be made after successful service. | Page 32 | | Tender condition prevails |
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