

**Office of the Chief Executive Officer  
Haldia Development Authority  
Haldia Unnayan Bhawan,  
City Centre, Debhog, Purba Medinipur**  
e-mail: [ceo.hda@gmail.com](mailto:ceo.hda@gmail.com) , web: [www.hdaindia.com](http://www.hdaindia.com)  
Ph: 03224 255926, Fax: 03224 255927

Memo No: 1533(27)HDA/IX-102/09

Dated the 26<sup>th</sup> day of October, 2009

**From: Chief Executive Officer,  
Haldia Development Authority**

To

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**Sub: E.O.I. for preparation of GIS based map of old Planning area of HDA -invitation for technical presentation.**

**Sir,**

With reference to the above and in response of Expression of Interest submitted by you, you are invited for a technical presentation at the office of the Haldia Development Authority on **07-11-2009**. After technical presentation, firms found technically eligible will be short listed and invited in financial bid. The date and time for submission of financial Bid will be communicated to eligible firms shortly after the Presentation.

Time for presentation will be **TEN minutes** and **FIVE minutes** will be for question and answer and it will be done as per following schedule.

Sl. No.	Name of the Firm	Time of presentation
1	SBL ,Sri Niketan, Tripunithura, Cochin- 682 301, Tel: +91 (0) 484 2784057 / 6546469, Fax: +91 (0) 484 2784056, E-mail: <a href="mailto:pradeepnair@sblinfo.com">pradeepnair@sblinfo.com</a>	11-01 AM to 11-15 AM
2	SENEs Consultants India Pvt. Ltd., MBL House, DD- 18/8, Fifth Floor, Sector-1, Slat lake, Kolkata 700 064, Ph: +91-33-23598070 / 73, Fax: +91-33-23598072, E-mail: <a href="mailto:seneskolkata@senesindia.com">seneskolkata@senesindia.com</a> , <a href="mailto:debanjan@senesindia.com">debanjan@senesindia.com</a>	11-16 AM to 11-30 AM
3	ROLTA India Ltd., Rolta Tower A, Rolta Technology Park, MIDC, Andheri (E), Mumbai 400 093 Ph.: 2926 6666, Fax: 2836 5992. E-mail: <a href="mailto:indsales@rolta.com">indsales@rolta.com</a>	11-31 AM to 11-45 AM
4	SGL Infotech, 407, Phase-IV, Udyog Vihar, Gurgaon, Haryana Tel: 91-124-2342105 & 2345894, Fax: 91-124-2342105	11-46 AM to 12-00 noon
5	Universal Solutions, CJ-145, Sector-II, Salt Lake City, Kolkata-700 091, Ph: +91 33 2359 5294 / 409, Fax: +91 33 2359 4091	12-01 PM to 12-15 PM
6	Genesys International Corporation Ltd., 73-A,SDF III, Andheri, Mumbai 400 096 Ph: +91-22-2829-0303/ 4488-4488/ 4488-4499	12-16 PM to 12-30 PM
7	NAVAYUGA SPATIAL TECHNOLOGIES PVT. LTD, 124, Surya Chambers, 3rd Floor, Airport road, Murgesh Palya, Bangalore, 560 017, Ph: +91 80 4126 6881, Fax: +91 80 4126 6882, E-mail: <a href="mailto:kalyanaraman@navayuga.com">kalyanaraman@navayuga.com</a>	12-31 PM to 12-45 PM
8	Science and Technology Park, University of Pune, Ganeshkhind Road, Pune -411007, Maharashtra, Fax: +91-20-25699206/ 25693449/ 25601198, E-mail: <a href="mailto:stp@scitechpark.org.in">stp@scitechpark.org.in</a>	12-46 to 01-00 PM
9	PCI Software Pvt. Ltd., CB-55, Slat Lake, Kolkata- 700 064 Ph: 033-2337-3172, Fax: 033- 2359-8071, E-mail: <a href="mailto:info@pciindia.net">info@pciindia.net</a>	01-01 PM to 01-15 PM
10	Enzen Global Sloutions Pvt. Ltd. 90, Hosur Road, Madiwala, Bangalore- 560068 Ph: +91-8067123002, Fax: +91-8067123003	01-16 PM to 01-30 PM
11	VISIONALABS INSTITUTE, 2nd Floor, 4 Motilal Nehru Nagar, Begumpet Main Road, Hyderabad - 500-016, Andra Pradesh Ph: +91 (40) 2776 -3881, 6631 -8898 / 8899, Fax: +91 (40) 2776-2217, E-mail: <a href="mailto:vision@visionlabs-india.com">vision@visionlabs-india.com</a>	01-31 Pm to 01-45 PM

12	Dynamic Projects, 196 A-G, Arabinda Sarani, Kolkata - 700 004, Ph: 033- 2533 3706, 2533 4671, Fax: 033 - 2533 8528, 2356 2811, E-mail: <a href="mailto:dynamicprojects@rediffmail.com">dynamicprojects@rediffmail.com</a> , <a href="mailto:dynamicprojects@vsnl.net">dynamicprojects@vsnl.net</a>	01-46 PM to 02-00 PM
13	Speck Systems Limited, Sri Manu Aroha Chambers, A-16-II, Dr. A.S.Rao Nagar, Hyderabad - 500 062 Ph: 040- 27133828 /4903 / 4907, Fax: 040- 27120044, E-mail: <a href="mailto:geomarketing@specksystems.co.in">geomarketing@specksystems.co.in</a>	02-01 PM to 02-15 PM
14	CE Info Systems Pvt. Ltd., 68-Okhala Industrial Estate, Phase III, New Delhi- 110 020 Ph: +91 -11 -4600 9900, Fax: +91 -11 -4600 9920, E-mail: <a href="mailto:rajesh@mapmyindia.com">rajesh@mapmyindia.com</a>	02-16 PM to 02-30 PM
15	GIS Consortium India Private Ltd., Regd. Office -44,Sukh Vihar, Delhi-110051, Works: 372/2, Sector-16, Vasundhara, Gaziabad-201012 Ph: +91-120-2885396, 3273223, Fax: +91-120-2885396, E-mail: <a href="mailto:info@gisconsortium.net">info@gisconsortium.net</a>	02-31 Pm to 02-45 PM
16	Global Coordinates, A-246, 1st Floor, Okhla Industrial Area, Phase-I, New Delhi - 110 020 Ph: +91 -11 - 2637 1591, fax: +91 -11 2637 1592, E-mail: <a href="mailto:aparna@globalcoordinates.net">aparna@globalcoordinates.net</a>	02-46 PM to 03-00 PM
17	Indian Resources Information & management Technologies Ltd., Ananth Info Park, Plot No. 39, Hitec City, Phase-II, Madhapur, Hyderabad -500 081, A.P. Ph: 040 -6615 6615, Fax: +91 - 40- 6615 6531, 6615 6652, E-mail: <a href="mailto:mail@inrimt.com">mail@inrimt.com</a> , <a href="mailto:psr@inrimt.com">psr@inrimt.com</a>	03-01 PM to 03-15 PM
18	Quantum asia Pvt Ltd, 34/A, Kukatpally Highway, Madhabpur, Hyderabad -81, A.P. Ph: 040 - 2311 3664: 040- 2311 3377, mobile Ph: +91 9052971876	03-16 PM to 03-30 PM
19	ALBIREO Telematics Pvt. Ltd., Unit 114, 1st Floor, Park Centra – BPTP, Sector-30, Gurgaon -122 002, Haryana Ph: 0124- 4720300, Fax: 0124 - 4720316, mobile Ph: 09899099647 / 09885723619, E- mail: <a href="mailto:tanu.sharma@albireotelematics.com">tanu.sharma@albireotelematics.com</a>	03-31 Pm to 03-45 PM
20	CES technologies Pvt. Ltd., CES Centre, Block DM, Plot No. 3 & 4, Sector-V, Slat-late City, Kolkata 700 091, Ph.- 033- 40118605/ 601/ 40062161-65/ 40062167-72, Fax: 033-40118630, 40062171, E-mail: <a href="mailto:cestech.kol@cesinter.com">cestech.kol@cesinter.com</a> , <a href="mailto:cestech@ceskolkata.com">cestech@ceskolkata.com</a>	03-46 PM to 04-00 PM
21	AABSyS IT Pvt. Ltd., Plot No. E/54 and E/54/1, Infocity, Chandaka Industrial Estate, Patia, Bhubaneswar -751 024 Ph: +91- 674 -326 9130, Fax: +91 -674 274 0129, E-mail: <a href="mailto:siddhartha.mohanty@aabsys.com">siddhartha.mohanty@aabsys.com</a>	04-01 PM to 04-15 PM
22	CYBER SWTFT Infotech Pvt. Ltd., 166B, S.P.Mukherjee Road, 5B Merli Links, 5th Floor, Kolkata 700 026, Ph: 033-2465 4307, 2466 4571, E-mail: <a href="mailto:info@cyber-swift.com">info@cyber-swift.com</a>	04-16 PM to 04-30 PM
23	LuminousEnginnering & technology Services Private Limited., C-8 & C-9, Community Center, Janakpuri, New Delhi - 110058, Ph: 91 11 45758300, Fax: 91 11 25558608, E-mail: <a href="mailto:info@luminousets.com">info@luminousets.com</a> , <a href="mailto:arghya@luminousets.com">arghya@luminousets.com</a>	04-31 Pm to 04-45 PM
24	Zymax Technologies, B/28, Bapuji Nagar, jadavpur, Kolkata- 700 092, Ph; 033- 2429 7914 / 6534 8486, Fax: 033- 24297914	04-46 PM to 05-00 PM
25	Softa Computer, 57/4, Jessore Road (N), Champadali More, Near Pather Sathi Petrol Pump, Barasat, Kolkata 700 124 Ph: +91 33 25842644/3335, Fax: +91 33 25841778, E-Mail: <a href="mailto:softacomputer@rediffmail.com">softacomputer@rediffmail.com</a> , <a href="mailto:softacomputer@yahoo.co.in">softacomputer@yahoo.co.in</a>	05-01 PM to 05-15 PM
26	DHV India Private Ltd., B-1/1-1, First Floor, Mohan Co-operative Industrial Estate, Mathura Road, New Delhi - 110 044 Ph: +91-11-40539303-06, Fax: +91- 11- 40539300, E-mail: <a href="mailto:info.dhv-india@dhv.com">info.dhv-india@dhv.com</a>	05-16 PM to 05-30 PM
27	RMSI Private Limited, A-7, Sector 16, Noida, Ph: +91 120 25111202, 2512101, Fax: +91 120 2511109, 2510963 E-mail: <a href="mailto:info@rmsi.com">info@rmsi.com</a> , <a href="mailto:aditya.agrawal@rmsi.com">aditya.agrawal@rmsi.com</a>	05-31 Pm to 05-45 PM

You are requested to arrive fifteen minutes ahead of your scheduled time. Projection facility is available. Please bring your lap-top computer with necessary software that will be required for your presentation.

The presentation should cover following areas.

1. Past work of the firm, where revenue maps were e-stitched (mosaic-ed) by perfect end matching without any over-shoot, under-shoot, sliver polygon, null class, then Geo-referenced and digitized in Arc- GIS compatible format with geo database. Some mouza (revenue village) maps before e-stitching, after e-stitching, after geo-referencing and after digitization may be displayed for example.
2. The envisaged to be followed for preparation for GIS based map for old planning area of the Haldia Development Authority according to the scope of work given below.

## **SCOPE OF WORK:**

### Stage-1

#### *I. Preparation of Base map*

##### **A. Statement of Objective:**

- a) Preparation of plot level multilayer digital GIS based land use map for old planning area of Haldia Development Authority (area 326.92 Sq. Km) in 1: 3960 scale for development of an accurate base map of HDA area required for all type of future planning and implementation,
- b) Preparation of Land Use & Development Control Plan,
- c) Land Record & Land transaction management at micro level and in general Proper Land management,
- d) Preparation of zonal development plan,
- e) Water supply & distribution network management,
- f) Storm water drainage management,
- g) Sewage management
- h) Transport Management Plans etc.,

##### **B. Outline of the tasks to be carried out: Stage-1**

- a) The map should be prepared by seamless mosaicing and geo-referencing of scanned images of mouza map (Revenue map) and extracting themes by superimposing these on high resolution multi spectral satellite image (pixel resolution better than 1m in panchromatic and better than 2m on multispectral).
- b) The map should depict Administrative boundary of HDA, Municipality / Block boundary, Ward / Gram Panchayat boundary, Mouza Boundary and plot boundary.
- c) All physical features like water bodies, Roads (NH, SH, other major roads & minor roads, culverts, bridges, High Tension Lines, Drainage system, pipelines, Railway lines, Railway stations etc. are to be clearly shown with measurements like length & area.
- d) Property line of major organizations like Indian Railway, National Highway Authority, Kolkata Port Trust (Haldia Dock Complex), HDA etc.
- e) Transferring of existing land use data on the digitized map.
- f) The map should be made in Arc. GIS software.
- g) The procedure to be followed will be,

Seamless mosaicing of scanned mouza maps → Geo-referencing → Digitization in Arc- GIS compatible format with geo database.

- h) In the final output, there should not be any sliver polygon, no overshoot and undershoot and no null classes.
- i) The geographical co-ordinates and projection system of the final map should be on WGS-84 and UTM.

### Stage-2

- I. Transferring future Land use proposals (proposals of LUDCP) on the digitized base map.
- II. Provision for future layer addition and data addition and in the base map.

##### **C. Schedule for completion of Tasks:**

Stage-1: Six months from the date of supply of scanned mouza maps and satellite images.

Stage-2: Three months from the date of supplying of future land use proposal by HDA.

##### **D. The support or inputs to be provided by HDA:**

1. Scanned images of mouza maps (Sheet wise, 258 mouza i.e. 310 mouza sheets.)
2. Appropriate satellite images.
3. Hard copy of existing Land Use.
4. Hard copy of Land use proposal.

##### **E. Final output:**

Plot level multilayer digital GIS based land use map of old planning area of Haldia Development Authority (area 326.92 Sq. Km) in 1: 3960 scales in Arc. GIS format with geo-database for various administrative variables.

Yours Sincerely,

**Chief Executive Officer  
Haldia Development Authority**

**Memo No: 1533/1(1)HDA/IX-102/09**

**Dated the 26<sup>th</sup> day of October, 2009**

Copy forwarded to "Systech", Haldia for display in the website of HDA.

**Chief Executive Officer  
Haldia Development Authority**