SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Koikata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ail@nic.in



Date: 21-11-2023

Memo No: O6 /IT/GS Mela -2024

NOTICE INVITING e-TENDER

Name of Work: DESIGN & DEVELOPMENT OF AN AUTOMATED SAGAR MELA PILGRIM TRANSPORT MANAGEMENT SYSTEM WITH REAL TIME LOCATION TRACKING OF VESSELS AND VEHICLES USING GPS TRACKER AND REAL TIME PILGRIM COUNT DURING GANGASAGAR MELA 2024

SCHEDULE OF IMPORTANT DATES OF BIDS

PARTICULAR	DATE & TIME 21-11-2023		
Date of Publication of e-NIT			
Document download start date & time	21-11-2023 from 3:00 PM		
Document download end date & time	04-12-2023 up to 3:00 PM		
Bid submission start date	21-11-2023 from 3:00 PM		
Last date & time of online submission of Technical Bid and Financial Bid.	04-12-2023 up to 3:00 PM		
Date & Time of opening of Technical Bid in the Office of the Additional District Magistrate (Infrastructure), South 24 Parganas	06-12-2023 at 3:00 PM		
Presentation on proposed work	06-12-2023 at 4:00 PM		
Date & Time of opening of Financial Bid in the office of the Additional District Magistrate (Infrastructure), South 24 Parganas	08-12-2023 at 3:00 PM		
Validity of bid	180 days		
Completion Period of the entire setup	Within December, 2023		
Utilization Period	07-01-2024 to 17-01-2024		

SOUTH 24 PARGANAS

Office: 12, Biplabi Kansi Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmall.com, dm-ali@nic.in



On behalf of the District Magistrate, South 24 Parganas, the Additional District Magistrate, South 24 Parganas invites e-Tender in Two BID SYSTEM for the aforesaid works from reliable, resourceful, bona-fide and experienced firms / companies / contractors having requisite financial capability and sufficient relevant work experience. The details are given below:

Name of work	Design & Development of an Automated Sagar Mela Pilgrim Transport Management System with Real Time Location Tracking of Vessels and Vehicles Using GPS Tracker and Real Time Pilgrim Count During Gangasagar Mela 2024
Scope of Work	Design & Development of an Automated Sagar Mela Pilgrim Transport Management System With Real Time Location Tracking of Vessels And Vehicles Using GPS Tracker and Real Time Pilgrim Count During Gangasagar Mela 2024: Scope of the work includes design & development of a fully automated system for transportation of pilgrims during Gangasagar Mela 2024 from Kashinagar point to Sagar Mela point and vice versa with real time location tracking of vessel and vehicle using GPS tracker and real time updation of pilgrim count at various locations with the integration of geofencing module through GPS tracker in the proposed system. • The scope of the work includes: 1. Design, Development, Maintenance, customization and predictive data analysis of a login-protected Web Application for real time location tracking of vessel and vehicle using GPS tracker from Kashinagar point to Sagar Mela point and vice versa. The web application should provide real time data on count of pilgrims at various locations. Data updation in the application should be automated with the integration of geofencing module through GPS tracker for full satisfaction of the administration. 2. Mobile App Modules: a. Design, Development and Customization of Mobile App for Drivers of Vessels b. Design, Development and Customization of Launch and Vehicles for display of Routes
	[Waterways and Roadways, indicating deviations], Panic Alert detection and generation c. Design, Development and Customization of Mobile App with Dashboard Function to Operationalise with customization for field level

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Aliponi, Kolkats - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



workforce

- d. Design, Development and Customization of Mobile App interface with Dashboard Function for administration for full satisfaction of the administration
- Incident Reporting Software Application to track different incidents on Mela Prangan and related areas from Babughat till Sagar (All Inclusive) at regular intervals coming through different inputs for creation of Dashboard Function to the full satisfaction of the administration.
- 4. Supply of 50 nos. of Dual Profile high quality tracking devices (AIS 140) (Primary Devices) on rental basis including Hardware, SIM Card Cost, Mobile Operator Service Costs, Technical Support, and Cloud Server); the devices so provided must be able to work in very low network (with M2M VTS SIM), and must be capable to handle huge concurrent load for vessels running from Lot-8 to Kachuberia and vice-versa to the full satisfaction of the administration.
- Supply of 50 nos. of Dual Profile high quality GPS devices (Secondary Devices) on rental basis including Hardware, SIM Card Cost, Mobile Operator Service Costs, Technical Support, and Cloud Server) - The devices so provided must be able to work in very low network (with M2M VTS SIM), and must be capable to handle huge concurrent load for vessels running from Lot-8 to Kachuberia and vice-
- 6. Supply of 100 Dual Profile High-quality devices (GPS Devices) along with Hardware, SIM Card Cost, Mobile Operator Service Costs, Technical Support, and Cloud Server using the latest software along with all other related cost on rental basis for Vessels runs from Namkhana to Benuban/Chemaguri and vice-versa to work in low bandwidth connection.
- Testing, configuration and operationalization of 230 nos.
 of GPS tracking devices along with Hardware, SIM Card
 Cost, Mobile Operator Service Costs, Technical Support,
 and Cloud Server to be installed at buses running from
 Kashinager point to Sagar Mela point and vice versa.
- Testing, configuration and operationalization of 50 nos. of GPS tracking devices along with Hardware, SIM Card Cost, Mobile Operator Service Costs, Technical Support, and Cloud Server to be installed at Ambulances running during Gangasagar Mela 2024.

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



- Deployment of 50 Nos. of manpower during Mela period: (Devices fitting / dismantling for all the vehicles plying for Mela Purposes) - The entire task to be completed within a span of 1-2 days for fitting and 1-2 days for dismantling
- Deployment of 72 Nos. of Manpower for Operation & Maintenance at various points like Kashinagar, Lot 8, Kachuberia, Namkhana, Benuban, Chemaguri, K1 & K2 Bus Stand

The software application will update the count of pilgrims on real time through automated process with the integration of geofencing module through GPS tracker. Whenever a vehicle or vessel will come into or goes out of the periphery of the circular region set by geofencing for a location, the system will automatically add or subtract pilgrims count and also update the count of vessels and vehicles respectively for that location.

The automated software application should be designed and developed based on the following Process flow:

- > Forward Process Flow: From Kashinagar to Sagar Island
- Reverse Process Flow: From Sagar Island to Kashinagar
- ➤ Forward Process Flow –from Kashinagar to lot8 /Namkhana:

At Kashinagar Buffer Zone:

- Data will be recorded i.e. automatic addition on count of pilgrims in the system for incoming pilgrim traffic
- Data will be recorded in the system for outgoing pilgrim traffic towards Namkhana and Lot-8 point

At Lot-8 point:

- System should automatically update the data i.e. subtraction on the count of pilgrims and as well as count of vessels whenever a vessel/burge left from Lot-8 towards Kachuberia.
- Data will be fetched from the system by the Point- in-Charge of Lot-8 point regarding availability of Vessel s at jetties/ No of standing pilgrims in queue/ no of pilgrims in vessels in transit/GPS tracking of the movement of the vessel.
- 3) All the movement of the vessels should be tracked though

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2446 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



GPS and available for viewing through proposed system using graphics and color coding.

 Real time updation of the data in the system through Mobile App and web application.

At Namkhana point:

 System should automatically update the data i.e. subtraction on the count of pilgrims and as well as count of vessels whenever a vessel/burge left from Namkhana towards Chemaguri/Benuban.

 Data will be fetched from the system by the Point-in-Charge of namkhana point regarding availability of Vessel's at jetties/ No of standing pilgrims in queue/ no of pilgrims in vessels in transit/GPS tracking of the movement of the vessel.

From Kachuberia to Sagar [K1 & K2 Bus stand]

At Kachuberia point:

- Point-in-Charge (control room) will assign the jetty to an upcoming vessel to be parked as per availability of Jetty at kachuberia
- System should automatically update the data i.e. addition on the count of pilgrims and as well as count of vessels for an incoming vessels from Lot-8.
- From the proposed system traffic controller will get the total count of pilgrims arrived at kachuberia for departure via bus to Sagar.
- 4) System should automatically update the data i.e. no of the available bus at bus stand by subtracting the bus count and as well as pilgrims count by subtracting bus boarding capacity whenever a bus left from Kachuberia to Sagar.
- Bus Controller will fetch data regarding bus availability from the system and make plan
- As traffic controller allows pilgrims towards bus stand, bus controller will assign buses for the crowd.
- Forward Process Flow: From Chemaguri/Benuban/Kachuberia to K1 & K2 Bus stand point: At Sagar:

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkats - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-sli@nic.in



American Company				
	1) System should automatically update the data i.e. no of the available buses at K1 /K2 bus stand by adding the bus count and as well as pilgrims count by adding the bus boarding capacity once buses reaches at K1 & K2 bus stand. 2) Data will be fetched from the system by the Mega Control Room at Sagar Point regarding movement of pilgrims. 3) Traffic Controller will fetch data from proposed system for crowd management at SagarMela Ground point. System should automatically update the data i.e. pilgrims count, as well as no of the available bus at bus stand and no of vessels at Jetty Ghat for reverse process flow from Sagar Mela point to Kashinagar point in the same manner as for forward process flow. Note: As a fail over mechanism, for poor network zone, provisioning of backend data update is to be made available through EXCEL file upload via mobile devices or web portal.			
Contract Period	Three months from the date of issuing work order.			
Bid Inviting Authority	Additional District Magistrate (Infrastructure), South 24 Parganas on behalf of the District Magistrate, South 24 Parganas			
TECHNICAL BID Eligibility Criteria for Technical Bid evaluation NOTE: Original documents will be verified only in case of	TECHNICAL CREDENTIAL / EXPERIENCE: Intending bidders shall submit valid credentials certificate of completion of one similar nature of work executed during earlier Gangs Sagar Mela having minimum value of 40% of the estimated amount put to tender during last 4 (four) years prior to the date of issue of the tendential state of the tend			

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



IMPORTANT: If the bidders do not upload these requisite documents in the e-tender portal, they will summarily be rejected during evaluation. If anyone found to be submitting false or manufactured credential, then the bidder may be black listed or prevented from participation.

OR

Intending bidders shall submit valid credentials of 2 (two) similar nature of completed work executed during earlier Ganga Sagar Mela, each of the two having minimum value of 30% of the estimated amount each put to tender during last 4 (four) years prior to the date of issue of the tender notice.

OR

Intending bidders shall submit valid credentials of similar nature of completed work executed during last 4 (four) years having minimum value of 40% of the estimated amount put to tender prior to the date of issue of the tender notice.

2. FINANCIAL CREDENTIALS:

Average Audited Annual Turn Over for the last 4 (four) consecutive financial years should be equal to or more than 60% of the total estimated amount put to tender.

3. MANDATORY DOCUMENTS:

- · Valid Trade License/ Registration
- · Income Tax return for the last financial year
- GST Registration certificate with up-to-date GST clearance
- · Professional Tax Clearance certificate for the last financial year
- Audited Balance Sheets of last 4 financial years.
- Pan Card.

4. OTHER DOCUMENTS:

- Declaration in an affidavit that no litigation is pending against the Firm/company/contractor or not black listed.
- Declaration on manpower support and technology to be used

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattecharya Sarani, Alipore, Kolkata - 700 027 Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



	Earnest Money of Rs. 54,000/- (Rupees Fifty Four Thousand) only will be deposited electronically during filling up the e-Tender document. Offers not accompanied by the EMD will summarily be rejected.
	The earnest money deposited will be forfeited by the undersigned in case -
Earnest Money Deposit	 The bidder withdraws from tender after opening of tender / after acceptance.
	The selected bidder fails to accept work order, refuses either wholly or partly the offer that would be made by the undersigned.
	The selected bidder fails to do the work or supply materials as per specification.
Bid Document	Bid Document is available in the e-Tender portal of Govt. of West Bengal, http://wbtenders.gov.in. Bidders who have registered with National Informatics Centre (NIC) can participate in the tender. Interested bidders shall register with NIC in advance. Document requisition shall be done as per instruction given in the Information to Bidders.
	PROCESS OF EVALUATION AND SELECTION OF BIDDER
	Bids will be evaluated by the District Tender Committee, South 24 Parganas on Quality cum Cost basis to ensure a fair and transparen method of selection. Technical Bid Evaluation:
Bid Evaluation	The Technical Bid will be evaluated on necessary documents submitted as mentioned in the eligibility criteria section and marks will be given to the eligible bidders on the following parameters: • Experience in handling similar nature of work in last years
Bid Evaluation	 Presentation on proposed system Manpower support and technology to be used
	Original documents will have to be produced by the bidders as an when asked by the bid evaluation authority. Presentation on propose work have to be made by the participating bidders.
	Technical Bid Evaluation

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



SI. No	Parameters	Supportive documents to be produced	Weightage Point
1	Experience in similar nature of work (web application and mobile application development) in last 4 years	Completion certificate to be submitted in favour of previous Experience in software development as mentioned in technical credential section	30
2	Presentation on proposed system	Key resource person of the proposed support organization will make a Power Point presentation before the Tender evaluation committee on the proposed work	40
3	Manpower support and technology to be used	Declaration to be given on manpower support and technology during bid submission	30
	Т	otal marks	100

three parameters out of 100.

Cut-off marks in technical bid evaluation is 50.

Eligibility Criteria for qualification in technical bid evaluation:

Bidders who submit statutory and non-statutory documents and have requisite credentials (both technical & financial) as mentioned in the NIT and score greater than or equal to 50 out of 100, will qualify in the technical bid evaluation.

Only the technically qualified bidders can advance for Financial bid evaluation.

The Financial Bid should be expressed as a consolidated fee inclusive of all Taxes and duties and processing charges.

Financial Bid of the technically qualified bidders will be evaluated and the bidder with the lowest financial proposal i.e. L1 bidder will be selected for the work.

Date and time of opening of Financial Bid

08-12-2023 at 3:00 PM

SOUTH 24 PARGANAS

Office: 12, Bipliabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24pargsnas@gmail.com, dm-ali@nic.in



Rate shall be quoted in the given BOQ for each item (item rate) inclusive of all taxes and charges
180 days
ONLINE BID SUBMISSION: The Bidders are required to submit the Technical and Financial Bid documents ONLINE i.e. uploading of the documents complete in all respect by following the Online Bid submission procedure.
 Names of the technically qualified bidders as per the bid criteria after verification with original [in case of doubt and complaint] & evaluation will be displayed in the e-portal by the tender evaluation committee. The financial bid documents of the technically qualified bidders will only be opened.
 List of Financial comparison chart of bidders will be published on the next day after opening. Bid inviting authority of South 24 Parganas reserves the right to reject or cancel any or all pre- qualification documents and bid document without assigning any reasons whatsoever.

INFORMATION TO THE BIDDERS (ITB)

Download of Tender

Tender to be downloaded only from the e-Tendering portal of Govt. of West Bengal i.e. http://wbtenders.gov.in The tender will be submitted in two bid system i.e. Technical bid & Financial bid only through online mode.

<u>Submission of Earnest Money Deposit</u>: Earnest Money of Rs. 54,000/- (Rupees Fifty Four Thousand) only will be deposited by the bidder electronically online – through his net banking enabled bank account maintained at any bank. Intending bidder will get the beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective bank as per the beneficiary's name and account no, amount, beneficiary's bank name & IFSC code.

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



Technical Proposal:

Technical proposal should contain the following two covers:

- A) Statutory Cover: It contains the scanned copies (pdf format) of following documents
 - Prequalification Application (Form -I)
 - Earnest money (EMD) as prescribed in NIeT
 - NIT (digitally signed)
- B) Non-Statutory Cover: It contains the scanned copies (pdf format) of following documents
 - I) Certificates:
 - Valid Trade License / Registration
 - Income Tax Return for the last financial year
 - GST Registration certificate with up-to-date GST clearance
 - Professional Tax Clearance certificate for the last financial year
 - Audited Balance Sheet of last 4 financial years
 - · PAN Card
 - Company details: Trade License, Incorporation of Certificates
 - II) Credential:
 - Technical Credential: Documents of work done along with completion certificate.

Technical credential should be declared in the following format:

SI. No.	Name of the Organization to whom supplied	Name of the work	Amount put to Work Order	Gross value of work done	Supply Order No. & date	Date of Commence ment of work	Date of Completi on of work

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 927

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



 Financial Credential: The average annual turnover of the agency in last 4 financial years as mentioned in NIT

III) Declaration:

- ✓ Declaration in an affidavit that no litigation is pending against the Firm/company/contractor or not black listed
- ✓ Declaration on manpower support and technology to be used

Financial Bid / Proposal:

The financial bid should contain the Bill of Quantity (BOQ) (item rate excel format) in one cover. Bidders are to quote the item rate (including all charges and taxes) at the marked space in the BOQ.

EMD Exemption: EMD exemption is allowed in this tender. Bidders registered with MSME can avail EMD exemption with uploading valid MSME documents.

Only downloaded copies of the above documents, digitally signed by the contractor are to be uploaded (Excel file).

PAYMENT:

Payment against the bill claim subjected to verification by the competent authority will be made on availability of fund.

EMD of the successful bidder may be adjusted against the bill claim while making payments.

The Payment of RA as well as final bill for any work will be made according to the availability of fund and no financial claim in case of any delay in payment will be entertained. No bidder can hamper the progress of work by stating non-payment of bills or non-receipts of payment. The financial capabilities of the bidder are evaluated through his annual turnover and no bidder can cite the non-payment as a reason for delayed completion or slow progress of work. Authority may impose penalty for delay in completion of work.

Other Terms and conditions: -

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-al@nic.in



- The credentials submitted by the bidders shall invariably be verified from competent authority through formal/informal ways. If the bidders are found producing manufactured credentials, then appropriate action for black listing/prohibition of participation / criminal proceeding shall be initiated by the bid inviting authority.
- Sub-contracting by the successful bidder will not be allowed. Tender Committee shall take appropriate action against the willful defaulter.
- The Bid inviting authority reserves the right to terminate the contract by giving one-month notice to the agency in case if any deviation from the norms or any non-compliance.
- 4. The entire work shall be completed within the time frame given in the work order. Any deviation in work completion period will invite penalty of 1-5% on the value of pending work. The Bid Inviting Authority is empowered to impose such penalty by obtaining a report from engineers.
- Time extension on completion of work shall not be given in ordinary circumstances. Bid inviting authority is empowered to decide on time extension only after making proper assessment through a team of officials in an extraordinary circumstance like land dispute, natural calamity or similar situation.
- Bid Inviting Authority shall moot a proposal for Black listing or prohibition of any contractors' participation for a period of one year for blatant violation of tender norms or for vitiating tender process.
- 7. Withdrawal of bid: None of the bidder shall be allowed to withdraw the bid once submitted. If any bidder attempts to withdraw bid at any stage of the bidding process or decides to withdraw after issuance of work order, then the EMD shall be forfeited and process shall be initiated for either black listing the bidder or prohibiting participation in any tenders for a period of one year.
- Negotiation with L2 bidder is prohibited.

The bid inviting authority reserves the right to reject or cancel any bid without assigning any reason whatsoever. Any attempt by the bidders to produce fake or false documents and frivolous complaints with an intention to vitiate the tender process will be viewed seriously and the tender committee will take necessary action to initiate process for black listing them.

Additional District Magistrate (Infrastructure), South 24 Parganas

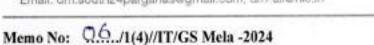
BID INVITING AUTHORITY

And 21/11

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanal Bhattacharya Sarani, Alipore, Kolkata - 700 027

Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



Date: 21/11/2023

Copy forwarded for information and taking necessary action to:

1. Nazareth Dy. Collector, South 24 Parganas for displaying NIT in office notice board

DICO, South 24 Parganas for publishing brief advertisement of NIT in the newspaper as prescribed

3. DIO NIC, South 24 Parganas for uploading the NIT in official website of the district

4. CA to DM, South 24 Parganas for kind appraisal of the District Magistrate

Additional District Magistrate (Infrastructure), South 24 Parganas

BID INVITING AUTHORITY

flow rili

SOUTH 24 PARGANAS

Office: 12, Biplabi Kanai Bhattacharya Sarani, Alipore, Kolkata - 700 027 Phone: 033-2449 9944 / 2479 1694, Fax: 033-2448 7871 Email: dm.south24parganas@gmail.com, dm-ali@nic.in



Form-I

PRE-QUALIFICATION APPLICATION

To
The Additional District Magistrate (Infrastructure),
South 24 Parganas
Ref : Tender for (Name of work)
Tender Id :
Dear Sir,
Having examined the NIT documents, Statutory and Non-statutory documents, I/we hereby submit all the necessary information and relevant documents for evaluation.
The application is made by me / us on behalf of (Organization name).
The necessary evidential documents admissible by law on behalf of the group of firms for application and for completion of the contract documents is attached herewith.
We are interested in bidding for the works given in enclosure to this letter.
We understand that:

- Tender Inviting & Accepting Authority can amend the scope and value of the contract bid under this project.
- Tender Inviting & Accepting Authority reserves the right to reject any application without assigning any reason.

Enclo: e-Filling of Statutory and Non-statutory documents

Signature of Applicant
(Including title and capacity in which application is made)