

**OFFICE OF THE
DISTRICT MAGISTRATE & COLLECTOR
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



Memo No: 10/IT/GSMela-2022

Date : 21-09-2021

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 2022.

SCHEDULE OF IMPORTANT DATES OF BIDS :

PARTICULAR	DATE & TIME
Date of Publication of e-NIT	21-09-2021
Document download start date & time	21-09-2021 from 3:50 PM
Document download end date & time	05-10-2021 up to 3:50 PM
Bid submission start date & time	21-09-2021 from 4:00 PM
Last date & time of online submission of Technical Bid and Financial Bid.	05-10-2021 up to 4:00 PM
Date & Time of opening of Technical Bid in the Office of the District Magistrate, Alipore (IT Section)	07-10-2021 at 4:10 PM
Date & Time of opening of Financial Bid in the office of the District Magistrate, Alipore (IT Section)	07-10-2021 at 6:00 PM
Validity of bid	120 days
Completion Period of setting up infrastructural work	Within November 2021
Dry Run	Within 20th December, 2021
Utilization period	From 08-01-2022 to 18-01-2022

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On behalf of the District Magistrate, South 24 Parganas, the ADM (IT), South 24 Parganas invites online **Tender in gross amount** in **TWO BID SYSTEM** for the project from reliable, resourceful, bona-fide and experienced firms / companies having requisite financial capability and sufficient relevant work experience in wireless communication system. The details are given below:

Location of Work :Kashinagar , Lot 8, Namkhana, Kachuberia, Chemaguri,Benuban,Sagar Mela Point,

Scope of Work :

- **Scope of the work includes design & development of a fully automated system for transportation of pilgrims during Gangasagar Mela 2022 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 :**
 - **Development of a login-protected Web Application and android based mobile 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.**
 - **Development of an android based mobile application for vessel drivers to view the route map in the waterways.**
 - **Supply of 300 nos. of GPS tracking devices to be installed at**
 - ✓ **Vehicles runs from Kashinager point to Sagar Mela point and vice versa.**
 - ✓ **Vessels runs from Lot-8 to Kachuberia and vice-versa.**
 - ✓ **Vessels runs from Namkhana to Benuban/Chemaguri and vice-versa.**
 - **Deployment of manpower during Mela period :**
 - ✓ **8 nos. of technical persons for 10 days for technical support of the proposed system**
 - ✓ **25 nos. of operators for 10 days for operationalization of the proposed system.**

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.

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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 :

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

At Lot-8 point :

- 1) System should automatically update the data i.e. subtraction on the count of pilgrims and as well as count of vessels whenever a vessel/burges left from Lot-8 towards Kachuberia.
- 2) 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 GPS and available for viewing through proposed system using graphics and color coding.
- 4) Real time updation of the data in the system through Mobile App and web application.

At Namkhana point :

- 1) System should automatically update the data i.e. subtraction on the count of pilgrims and as well as count of vessels whenever a vessel/burges left from Namkhana towards Chemaguri/Benuban.
- 2) 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 Kachuberiapoint :

- 1) Point-in-Charge (control room) will assign the jetty to an upcoming vessel to be parked as per availability of Jetty at kachuberia
- 2) 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.
- 3) 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

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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.

- 5) Bus Controller will fetch data regarding bus availability from the system and make plan
- 6) 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 :

- 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.

Entire set up to be kept ready and usable within the 10th December, 2021.

Utilization Period : From 08-01-2022 to 18-01-2022

EMD : Rs. 26000/- (Twenty Six Thousand) only to be deposited through online method

CREDENTIAL: STATUTORY DOCUMENTS

1. **CREDENTIAL/EXPERIENCE:** Work experience in the field of Software development
2. The average annual turnover of the agency must be above Rs. 8 Lakhs in last 3 years.

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4. NON STATUTORY DOCUMENTS:

- a. Valid Trade License
- b. Income Tax return for the latest financial year
- c. GST Registration certificate
- d. Professional Tax Return for the latest financial year
- e. Audited Balance Sheets/CA certified copy of last 3 Financial years
- f. Copy of PAN Card.

Other Documents :

- a. Presentation of the proposed system in PDF format.
- b. Declaration on Manpower support.

Bid Document is available in the e-Tendering portal of Govt. of West Bengal, <http://wbtenders.gov.in> Bidders who have registered with National Informatics Centre (NIC) can participate in the NIT. Interested bidders shall register with NIC in advance. Document requisition shall be done as per instruction given in the Information to Bidders(ITB).

The Technical Bid will be evaluated by the NIT evaluation committee chaired by Addl. District Magistrate (IT). Original documents will have to be produced by the bidders as and when asked by the bid evaluation authority.

Only the technically qualified bidders can advance for Financial bid.

- **Date and time of opening of Financial Bid submitted on line of only the technically qualified bidders 07-10-2021 at 5:20 PM**
- Financial Bid : Gross amount inclusive of all taxes will be mentioned only.
- Validity of Bid : 120 days
- **NIT registration and bidding :**

ONLINE BIDS:

The bidders interested to submit the bid Online shall get registered and get a digital signature as per the procedure described below:

Online NIT can be submitted by logging in the e-Tendering portal of Govt. of West Bengal i.e. <http://wbtenders.gov.in>

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.

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- **Important Instructions :**

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, this office notice board and official website by the NIT evaluation committee.

The financial bid documents of the technically qualified bidders will only be opened.

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.

The intending bidders are requested to inspect the work site before quoting their rates.

- **Information to the Bidders :**

Download of NIT

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

Online Bid submission procedure

Registration of Contractor: Agencies/Bidders who are interested in participating shall have to get enrolled & registered with the Government e-Procurement system, through logging on to <http://wbtenders.gov.in>.

Digital Signature certificate (DSC): Each contractor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) having Signing and Encryption certificate for submission of NIT, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount or any service provide as may be allowed by the Finance Department, Govt. of West Bengal.

NIT Download: The contractor can search & download NIT Documents electronically from computer once he logs in to the e-Tendering portal <http://wbtenders.gov.in> using the Digital Signature Certificate. This is the only mode of collection of NIT Documents.

Submission of NIT: NIT are to be submitted through online to the stipulated website in two folders at a time, one in Technical Bid & the other in Financial Bid before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded duly **digitally signed**. The documents will get encrypted (transformed into non readable formats).

Submission of Earnest Money Deposit: The earnest money deposit has to be made and submitted following the clauses as mentioned in the bid document.

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A. Technical Bid:

The Technical proposal should contain scanned copies of the following (all in PDF file) in 2 (two) covers (folders),

Cover A-1 >Statutory Cover file Containing

NIT (Properly upload the same Digitally Signed)

Credentials/Experience of working similar nature of work

Cover A-2 >Non- Statutory Cover (Mandatory Documents)

All the documents as given under **TECHNICAL BID**

Note: Failure of submission of any of the above mentioned documents (as applicable) i.e. statutory and non-statutory documents will render the NIT liable to be rejected.

B. Financial Bid:

The financial proposal should contain the following documents in **one cover** (folder):

The contractor shall quote the **gross amount** through online mode only in the space marked for quoting rate in the **Bill of Quantities (BOQ)**. Only downloaded copies of the above documents, digitally signed by the contractor are to be uploaded (Excel file).

EVALUATION OF BID:

Bids will be opened in front of bidders volunteering to be present. The Technical and Financial evaluation of the bids will be done by the bid-evaluation committee constituted for the NITs.

40% weightage of bid evaluation will be applied on technical credentials and 60% weightage on financial bid.

40% weightage to be given for technical bid evaluation on following parameters:

Parameter	Weightage
Understanding of the concept	10
Experience in handling similar nature of work (development of web and mobile application)	10
Manpower to be provided (declaration during bid submission)	15
Demonstration of System through Presentation (PDF documents to be uploaded during bid submission)	15

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CRITERIA FOR EVALUATION OF TECHNICAL AND FINANCIAL BID:

As per the above eligibility criteria and according to point wise Total Score on all 4 (Four) parameters as delineated in the Technical bid parameters, an weightage will be calculated up to 40% (For example if as per eligibility criteria an organization scores 50, a score of 40 will be considered on technical weightage. The Financial Proposal of the technically qualified bidders will be opened on the date and time as mentioned earlier. If a bidder does not qualify in technical Bid, then the corresponding Financial Bid will not be opened.

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

The Financial proposal will be evaluated and marks allotted on a pro-rata basis, i.e. the lowest bidder - L1 will be given the maximum marks out of 60 and other bids(N,N1,N2) etc will be allotted marks according to the formula " $L1/Ni*60$ ".

: In case a bidder does not match the criteria for eligibility as mentioned above, his financial bid will not be opened.

The marks obtained by each bidder in Technical and financial evaluation shall be added and the bidder getting the highest marks shall be preferred bidder P1, P2 and so on.

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 shall 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.

The mode of Payment of the bills are given below:

No RA bill will be entertained. Payment will be done after successful execution of the system.

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Other Terms and conditions: -

1. The earnest Money Deposited:
 - Can be converted into a security deposit against selected bidder. The EMD will be returned to the non selected bidder within 15 days after opening of financial bid.
 - Forfeiture of EMD will be done:
 - If the bidder withdraws tender after opening or acceptance.
 - ii) If the selected bidder fails to accept work order, refuses whether wholly or partly the offer that would be made by the undersigned.
 - If the selected bidder fails to do the work or supply material as per specification.
2. 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.
3. Sub-contracting by the successful bidder will not be allowed. Tender Committee shall take appropriate action against the willful defaulter.
4. The Executive Officer 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.
5. 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.
6. 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.
7. 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 EOI norms or for vitiating EOI process.
8. **Agreement:** Model agreement document shall be prepared by the bidder in consultation with the competent authority. The agreement will be signed only if the competent Authority has given the consent. The LOI and bid document shall become part of the agreement.
9. Negotiation with **L2** bidder is prohibited.

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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 NIT process will be viewed seriously and the NIT committee will take necessary action to initiate process for black listing them.

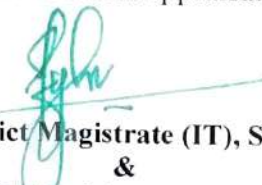

21.9.2021
**Additional District Magistrate (IT), South 24 Parganas
&
Bid Inviting Authority**

Memo No: 10 /1(8)/IT/GS Mela-2022

Date : 21-09-2021

Copy forwarded for information and taking necessary action to:

1. Nazareth Dy. Collector, South 24 Parganas for displaying NIT in office notice board
2. DICO, South 24 Parganas for publishing brief advertisement of NIT in the news paper 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
- 5-8. PA to ADM(ZP/D/LA/LR) South 24 Parganas for kind appraisal of the ADMs.


**Additional District Magistrate (IT), South 24 Parganas
&
Bid Inviting Authority**