



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Govt of Odisha

Tender Notice No. 07/2026

PROCUREMENT OF GNSS RECEIVER

Sealed Tenders are invited from reputed and established and accredited Original Equipment Manufacturers (OEM)/their authorized dealers for Supply, Installation & Commissioning of **2 nos. of GNSS Receiver** for Odisha Space Applications Centre (ORSAC), Bhubaneswar.

For details, please visit <https://odisha.gov.in> or <https://orsac.odisha.gov.in>. or in the above office.

Schedule	Date and Details
Hosting of Tender Document	05.08.2026 AT 11:30 A.M.
Date of Pre Bid Meeting	10.08.2026 AT 11:00 A.M.
Date of issue of relevant clarification	13.08.2026 BY 05:00 P.M.
Last date of issue of Tender Paper	19.08.2026 BY 04:00 P.M.
Last date of submission of Tender	20.08.2026 BY 05:00 P.M.
Opening of Tender	21.08.2026 AT 11:00 A.M.

ORSAC reserves the right to accept/reject/modify & cancel the full tender or part thereof at any time without assigning any reason thereof.

Sd/-
CHIEF EXECUTIVE

ODISHA SPACE APPLICATIONS CENTRE
Department of Science & Technology, Govt. of Odisha
Plot No.45/48(P), Jayadev Vihar, Near Gopabandhu Academy of Administration
Unit-16, Bhubaneswar-751 023

Tender Notice No. 07/2026

Sealed tenders are invited from reputed and established and accredited Original Equipment Manufacturers (OEM)/their authorized dealers for Supply, Installation & Commissioning of **2 nos. of GNSS Receiver** for Odisha Space Applications Centre (ORSAC), Bhubaneswar. The vendors must quote for all the details as mentioned below for Odisha Space Applications Centre (ORSAC), Bhubaneswar.

TABLE-1

S.N.	Items	Quantity	Cost of Tender paper (Rs.)	EMD (Earnest Money Deposit) (Rs.)
1	GNSS Receiver	2 Nos.	1,500.00	20,000.00

- 1) Non-transferable tender documents will be available from Odisha Space Applications Centre (ORSAC), Bhubaneswar on payment of Rs.200.00 in shape of Demand Draft drawn in favour of Odisha Space Applications Centre. The tender document can be downloaded from Odisha Govt. or ORSAC website: <https://odisha.gov.in> or <https://orsac.odisha.gov.in>. The downloaded bid document can also be used, provided it is accompanied with a crossed Demand Draft of **Rs. 1,500.00** towards cost of the tender document issued by any Nationalized Bank/Scheduled Commercial Bank payable at Bhubaneswar drawn in favour of Chief Executive, Odisha Space Applications Centre. Tenderers interested to receive tender documents by Registered Post should pay additional amount of Rs.200.00 (Rupees Two Hundred) only. However, ORSAC will not be responsible for postal delays in delivery of the documents.
- 2) The Tenderers are required to furnish attested copies of GST registration Certificate issued by the State of Odisha/other states as applicable along with the Tender Documents.
- 3) The tenderers must have their / OEM's service facility centre in Odisha.
- 4) The bidder shall ensure that the Original Equipment Manufacturer (OEM) has an existence in India for a minimum period of 10 (ten) years or more. Relevant supporting documents, such as the OEM Registration Certificate / Incorporation Certificate must be submitted; otherwise the bid shall be liable to be rejected.



- 5) The Tenderers are required to deposit the EMD amount as per Table-1 as Earnest Money Deposit (EMD) in shape of Bank Draft / Bank Guarantee issued by any Nationalized/Scheduled commercial Bank payable at Bhubaneswar drawn in favour of Chief Executive, Odisha Space Applications Centre, Bhubaneswar valid for three months.
- 6) Performance security shall be deducted from Bills as per guidelines given in the tender documents.
- 7) The items conforming to required specifications and services are to be delivered to the consignee (ORSAC) at Bhubaneswar in Odisha and should be included all transportation, installation charges etc and the tenderer must quote the rates giving details of taxes, levies charges, premium etc. separately as stated in the tender document.
- 8) The tenders should be submitted after due compliance with guidelines given in the tender documents under Schedule (A) Conditions of Contract, Schedule (B) Technical Specification, Schedule (C) Delivery Destination, Schedule (D) Bid Form & Schedule (E) Price Schedule. Tenders submitted in incomplete form shall be rejected outright.
- 9) Upgrades, updates and all necessary support to be provided during warranty and service periods.
- 10) The filled in sealed tenders containing Technical Bid and Price Bid in double cover system as per instruction given in tender documents, shall be submitted at Office of the ORSAC, Bhubaneswar by Registered Post, Courier service or dropping in the tender box. Tenders received after due date and time shall not be entertained.
- 11) The tender papers will be available for sale in the office of the ORSAC between 11:00 AM to 4:00 PM on Odisha Government official working days till 19.08.2026. The sealed tenders will be received till 20.08.2026 by 05:00 P.M. in Office of the ORSAC. The technical bids will be opened on 21.08.2026 at 11:00 A.M. in presence of the Tenderers or their authorized representatives, if they so desire. The opening of price bids will be announced later on. Price Bids will be opened in respect of only those tenderers who qualify in the technical bid assessment.
- 12) ORSAC reserves the right to accept/reject/modify & cancel the full tender or part thereof at any time without assigning any reason thereof.
- 13) Special care has been taken in order to prepare the RFP/Tender. All other standard commercial terms & conditions and Rules & Regulations of ORSAC/ Government of Odisha for a tender/RFP of similar nature shall also be applicable.



Schedule (A) – Conditions of Contract for Tender No. 07/2026

- 1) The Tender papers include instructions issued in the Tender notice along with the Schedule (A) - Conditions of Contract, Schedule (B) – Technical Specifications, Schedule (C) – Delivery Destination, Schedule (D) – Bid Form, Schedule (E) – Price Schedule.
- 2) The Tenderers shall submit the following documents and information with the tender. Lack of complete and adequate information under any of the parameter may render the bid disqualified. The technical document shall be tagged and indexed properly to find out the below documents easily. If any bid found not be tagged, indexed, numbered properly the same may be disqualified.

A. Technical Bid:

- I. Copy of Tender Notice
- II. Acceptance of Schedule (A) & Schedule (B)
- III. Documentary evidence that the tendered is the manufacturer or the authorized dealer of the item.
- IV. Relevant supporting documents, towards OEM Registration Certificate / Incorporation Certificate in India as per clause-4.
- V. Copy of Bidder's Registration/ Incorporation Certificate, PAN Number.
- VI. Attested copies of GST certificate from the Authority of the State of Odisha or any other state as applicable.
- VII. Technical information and specifications prescribed by the manufacturer for the item.
- VIII. Documents in support of supplies made during last 5 years to different Govt. and public sector undertaking out of which 3 years within Odisha.
- IX. Availability of spare parts and service/ repair facilities inside Odisha.
- X. Cost of Tender document for Rs. 1,500 (in shape of Demand Draft) if downloaded from Website and used.
- XI. Earnest Money Deposit (EMD)
- XII. Annual turnover of the Company.
- XIII. Attested copies of Audited Balance Sheet for last 3 years.

- XIV. The vendor has to furnish certificate that they have not provided such materials to other organizations/client at a price less than the price now quoted in this tender during last 3 years. Undertaking on its letter head.
- XV. Undertaking for 1) Not having been black-listed by any Central / State Government / Any other autonomous bodies/ International & National Organization, 2) not committed any offence under the Prevention of Corruption Act, 1988 in last 3 years on the letterhead of the bidder.

B. For Price Bid:

- i) Acceptance of Schedule (C) Delivery Destination
 - ii) Filled up Schedule (D) – Bid Form
 - iii) Schedule (E) - Price Schedule
- 3) The quoted rates shall be for destination mentioned in the Schedule (C) Delivery Destination, inclusive of all taxes, duties, levies, charges, transportation cost, transit insurance cost. The item should be shown separately along with the basic rate. Prices written in words shall be accepted in case of any discrepancy. Rates with conditionality or provision of escalation will be rejected.
- 4) Evaluation Method is on total **least value (L1) basis post technical evaluation**.
- 5) Validity of period of the Tender shall be 180 days from the date of opening of the price bid.
- 6) The items are to be delivered in good condition at ORSAC, Bhubaneswar as mentioned in the Schedule (C) for delivery destination.
- 7) The items should be new and unused. The items shall be of reputed make and should also conform to latest models, designs and standards i.e. as per Schedule-B.
- 8) If any item fails to satisfy requirement of standards, the item shall not be accepted and the tenderer at his own cost shall remove it from point of delivery.
- 9) The item must be **delivered within 15 days** from the date of issue of the purchase order.
- 10) The tenderer shall give a **minimum warranty for a period of 3 year** or as per company/OEM's norms whichever is more from the date of installation and commissioning of the item at destination. This shall not relieve the tenderer from liabilities arising out of normal warranty available with the product.

- 11) The tenderer must rectify the defects in the hardware/software/Network, if failed to execute the program/ assignment within 7 days of issue of intimation during the Service period, failing which an amount of one percent of performance security will be forfeited per day of delay.
- 12) If the tenderer fails to supply the items within prescribed period, it shall be treated as breach of contract. The EMD may be forfeited and the supply order stands cancelled for which the tenderer shall remain fully responsible without any liability of ORSAC.
- 13) ORSAC may consider receiving the items beyond stipulated date by imposing liquidated damage of 0.50 (zero point five zero) percent of cost per week of delay subject to maximum penalty of 5% of the value of each item inclusive of all taxes, duties, levies and charges. Part of the week shall be reckoned as one week.
- 14) Tenders are to be submitted in a double cover system. The 1st sealed envelope should be marked as “**Technical Bid**” and shall contain the Technical Documents and the 2nd sealed envelope shall contain the Price Bid and should be marked as “**Price Bid**”. Both the 1st and 2nd sealed envelopes are then to be put inside a 3rd envelope duly marked “**Tender No. 07/2026 towards Supply, Installation & Commissioning of 2 nos. of GNSS Receiver for Odisha Space Applications Centre (ORSAC), Bhubaneswar**”. From and to addresses and Tender Number and Date shall be written on each of the envelopes.
- 15) Submission of sealed tenders shall be by Registered Post, courier service or dropping in the tender box. ORSAC shall not be responsible for postal or courier service delays or missing of the documents during transit. Tenders reaching late (as per time mentioned in the Tender Notice) shall not be considered by ORSAC.
- 16) Conditional Tenders may be rejected. Decision of the ORSAC authorities in this regard shall be final.
- 17) **Terms of Payment:** For all kinds of works no advance payment shall be made. Payments will be made only after supply, installation and satisfactory commissioning of the items and necessary performance certification from the Project in Charge and on submission of authenticated bills to ORSAC. The firm must raise the invoice in triplicate for the same. **5 (Five) percent** of the Bill amount shall be withheld from the Bill against” Performance security”. However, the held up amount may be released on production of Bank Guarantee against the amount, which will remain valid till two months beyond the completion of the Warranty period. The Bank Guarantee should be issued in favour of Chief Executive, **Odisha Space Applications Centre (ORSAC)** by any Nationalized Bank/Scheduled Commercial

Bank payable at Bhubaneswar Branch. Taxes as per Govt. rules shall also be deducted from Bills during payment.

- 18) The Firm shall conduct a training programme at the ORSAC premises for **2 to 3 days**, or for such duration as may be directed by the Project-in-Charge, ORSAC, to facilitate effective operation, administration, and maintenance of the supplied items/system by the designated ORSAC personnel.
- 19) The performance security shall be released within 60 days of expiry of the warranty period.
- 20) The quantity tendered can be decreased/increased/dropped as per the requirements at the time of placing of order.
- 21) The tenderer shall not raise any claim in any manner after the Bill amounts are cleared against the purchase order.
- 22) In case of any dispute between the Tenderers and ORSAC regarding interpretation of Tender document conditions, the decision of the Chief Executive, ORSAC shall be final and binding.
- 23) Jurisdiction of Court – Civil Suits, if any, arising out of the contract shall have to be filed at Bhubaneswar under Khurdha district. Writ petitions, Civil & Criminal, shall be filed in the High Court of Orissa, Cuttack.
- 24) The EMD amount shall be returned to the successful tenderer after receipt of Bank Guarantee (BG) against Performance Security amount without any interest and the EMD amount of unsuccessful bidder will be returned after issuing purchase order to the successful bidder without any interest.
- 25) If at any point of time it is found that any certificate/ declaration/ documents/ materials submitted by the vendor is found to be false or incorrect, then the EMD and BG will be forfeited, and no payment shall be made in respect of the supply of the items.

Accepted the above conditions under schedule (A) of tender.

(Signature of Tenderer)

Date:

Name:

Address:



Schedule (B)

TECHNICAL SPECIFICATION OF THE GNSS RECEIVER

TECHNICAL SPECIFICATION		
Sl. No.	Point	Description
1	MAIN	The GNSS system should have cutting edge technology with Antenna & Controller
		The GNSS system should have separate Antenna and Controller
		The Antenna should capable of track Multi Frequency Satellite (L1/L2/L5/MSS) Signals.
		Each antenna should have connected with controller through Bluetooth.
		Each antenna should have supports all global GNSS Systems
2	TYPE	Specification of Antenna
2.1	SINGLE TRACKING	Should be enable ProPoint GNSS positioning technology for TRACKING improved accuracy and productivity in challenging conditions with Digital Dynamic Channel- GPS: L1C/A, L2C, L5 GLONASS: L1C/A, L2C/A SBAS: L1C/A, L2C, L5 Galileo: E1, E5A BeiDou: B1, B2A QZSS: L1C/A, L2C, L5 NavIC (IRNSS): L5
3	MODES OF SURVEY	RTK, Network RTK, Fast Static/Rapid Static
4	ACCURACY	
	CODE OF DIFFERENTIAL (DGPS) GNSS POSITIONING	
	HORIZONTAL	0.3m+1ppm
	VERTICAL	0.6m+1ppm
	NETWORK RTK	
	HORIZONTAL	10 mm + 0.5 ppm or better
	VERTICAL	20 mm + 0.5 ppm or better
5	COMMUNICATIONS/ CONNECTIVITY	Bluetooth 4.2 or better
		USB power supply port
		Data Protocols: NTRIP, VRS, RTCM, CMRx, DCOL
		Position output: NMEA, DCOL through location service.
6	BATTERY AND POWER	Battery should be inbuilt/external
		Power Consumption: Not more than 2.5 W.
7	WEIGHT	Not more than 400 gms.
8	POSITIONING RATE	10Hz or better

9	OPERATIONAL TEMPURATURE	-20° C to +60°C
10	STORAGE TEMPURATURE	-40° C to +70°C
11	DUST & WATER PROTECTION	IP 65 or better
12	HUMIDITY	Upto 100%, non-condensing
13	SHOCK PROOF	1m or more on to hard surface/concrete.

SPECIFICATION FOR CONTROLLER

Sl. No.	Point	Description
1	OPERATING SYSTEM	Android 16 or better
2	PROCESSOR	Octa-core or better
3	RAM	6 GB or better
4	WEIGHT	Not more than 500 gms.
5	CAMERA	Main Camera 8 MP or better
		Front camera 5 MP or better.
6	DISPLAY	10" or above, TFT LCD, colour touch screen with 1200 X 1920 Pixel.
7	GRAPHICAL DISPLAY	Controller should be capable of creating complete points, lines in the field which will be displayed
8	KEYBOARD	Full QWERTY Hard/ Soft key pad
9	MEMORY	128GB or better
10	BATTERY.	7000 mAh or better
11	COMMUNICATION & FEATURE	Integrated Bluetooth 5.0 or better, USB Type C 2.0
		integrated Wi-Fi , Audio: Integrated speaker, accelerometer, gyro, proximity sensor
12	POSITIONING	GPS, GLONASS, GALILEO, BDS etc.

CONTROLLER FIELD SOFTWARE

Sl. No.	Point	Description
1	SHOULD HAVE FOLLOWING FUNCTIONS	The software should be able to log data for all the signals tracked & Static, Fast Static, RTK. Automatic survey (by distance, by time, stop & go) Satellite view status (quality, position, sky view,satellites list, base info, PDOP, HDOP), Line, polygon, area calculation, National grids, System settings (units, precision, parameters, etc.) The Software should allow configurable survey style for Static, PPK, RTK & Integrated /Smart/Combine Survey with TS and GNSS etc. Should be able to store GNSS data collected by the RTK system Should have datum and projection support, Should support Grid coordinates. Should support Feature Coding with attributes for GIS data collection. Control Coding should be possible for automatic plot creation. The Software should have color graphical support to visualize work while working

		Stake Out Should support Graphical stakeout, not only for points but for Lines as well. Should be able perform Real Time Quality Control for stake out positions should be able to accept background maps JPEG/TIFF,DXF/DWG Export to industry standard formats like CSV,DXF,KML etc Should support COGO functionality, Should be able to key in Lines, Sub-divide lines and creating parallel lines for staking out purpose. Calculation of transformation parameters from point list. Data formats input and outputs * CMR: CMR+, CMRx input and outputs *RTCM: RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1
2	ELLIPSOIDS	All common ellipsoids, User definable ellipsoids
3	MAP PROJECTIONS	Mercator, Transverse Mercator, User definable UTM and country specific Oblique Mercator, Lambert (1 and 2 standard) parallels) Soldner Cassini, Polar Stereographic, Double Stereographic, RSO, other country specific projection
4	GEOIDAL MODEL	Upload Geoidal model to system
5	GRAPHICS	Graphical representation of points, lines and areas application result plots
6	ICONS	Icons indicating the current status of measure modes, settings, battery etc. It should be possible to configure or see status of the iconed devices by touching on the screen
7	CONFIGURATION SETS	Ability to store and transfer all instrument and application Configuration settings for different operators, survey tasks etc.
8	FREE CODING	Recording codes with optional attributes in between of measurements
9	THEMATICAL CODING	Manual code entry or selection from a user defined coding points. lines and areas with optional attributes when measuring Manual code entry or selection from a user defined
10	QUICK CODING	Recording a measurement with a point code or free code by entering numerical quick code from user defined code list
11	AVERAGING	Averaging of multiple points within user defined
12	ON BOARD PROGRAMMES	Surveying, Staking, COGO, Area, Two point distance, Hidden point measurements.
13	ON BOARD APPLICATION	Controller should have software to work in both GPS and TPS mode and should support survey data collection, job creation, Graphical stakeout, Map screen with zoom in

ACCESSORIES, HARDWARE AND SOFTWARE For One set

SL. NO.	ITEM	QUANTITY (No)
1	Antenna Pack out	1
2	Antenna Cable	1
3	Rechargeable Battery (Power Bank)	2
4	2m Carbon fiber Pole (Flat top for Thread less mount)	1

5	Android based controller with inbuilt Battery, Charger & cable	1
6	Data Collection App (subscription require for at least 3 years)	1
7	RTX / Smartlink Satellite Correction data subscription pack (subscription require for at least 3 years)	1
8	Controller mount bracket with bipod	1

Accepted the above conditions under schedule (B) of tender.

(Signature of Tenderer)

Date:

Name:

Address:



Schedule "C"

DELIVERY DESTINATION

S.N.	Items	Delivery Destination/ Consignee
1	Supply, Installation & Commissioning of 2 Nos. of GNSS Receiver	ORSAC, Bhubaneswar

Accepted the above-mentioned conditions under schedule "C" of the tender for our items of supply.

(Signature of Tenderer)

Date:

Name:

Address:



Schedule (D) – Bid Form

To

The Chief Executive,
Odisha Space Applications Centre,
Bhubaneswar.

Sir,

I/we have gone through the Tender Notice relating to Supply, Installation & Commissioning of 2 Nos. of GNSS Receiver at Odisha Space Applications Centre (ORSAC) and the schedule (A), (B), (C), (D) and (E) of Tender Document.

A sum of Rs. 20,000.00 (Rupees Twenty Thousand) only is hereby rendered in shape of duly pledged as Earnest Money Deposit (EMD). I / we also agree that an amount of five percent shall be deducted from my bill towards performance security.

I/ We agree the ORSAC shall be at liberty to forfeit the EMD and performance security as per conditions of the contract in case of defaults on my/ our part in fulfilling contractual obligations.

I/We have gone through all terms and conditions stated in the Tender documents and agree to all the terms and conditions.

(Signature of Tenderer)

Date:

Name:

Address:



Schedule (E) – Financial Bid Submission Form

To

The Chief Executive,
Odisha Space Applications Centre,
Bhubaneswar.

Sub: Submission of Financial Bid for Supply, Installation & Commissioning of 2 Nos. of GNSS Receiver at ORSAC, Bhubaneswar.

Sl.	Item of work	Unit	Quantity	Unit Rate (in Rs.)	Amount (in Rs.)
A	Supply, Installation & Commissioning of GNSS Receiver	No	2		
GST					
Grand Total					
In words, Rupees _____					

I have carefully read and understood the terms and conditions of the TENDER CALL NOTICE and do hereby undertake to provide the service accordingly.

I understand that you are not bound to accept any Bid you receive.

(Signature of Tenderer)

Date:

Name:

Address