AGNIFORGE SURVEY- Project Details

REQUEST FOR QUOTATION:

Quotation Details:
Agniforge Industries Private Limited
Phone: +91-7982454976
Email: Contact@agniforge.com
Address: Sector 122, Noida, UP, India

Ground Control Point (GCP) Surveys, Mauritania

Your company is invited to submit a Quote for the collection of 12 Ground Control Points (GCPs) in Mauritania.

Please read the following information carefully and send your Quote via email no later than 14:00 GMT on Friday, March 28, 2026.

Ensure your offer includes the following elements:

A unit price (per GCP) for the works, clearly indicating the currency, inclusion or exclusion of taxes (VAT, etc.), and your proposed payment terms.

A brief data collection schedule, including an overview of the resources you plan to mobilize and the number of separate mobilizations planned.

The best and worst months for data collection, considering weather and GCP access.

A list of your GNSS receivers, including the make, model, and number of receivers of each type.

Inform us if any GCP locations present access, security, or other issues.

Indicate if your company is able to provide GCP data collection services in other countries.

INTRODUCTION

The project consists of collecting static GNSS data at 12 Ground Control Point (GCP) positions at various locations in Mauritania for the purpose of verifying the quality of remote sensing data.

These GCPs will be placed at sidewalk corners, road edge/axis intersections, or similar ground features visible in Google Earth. GCP locations will be provided. Each city/municipality will have 02 GCPs: a Primary GCP (e.g., XXX-000001) and a Secondary GCP (e.g., XXX-000001-1).

Efficiency: To be as efficient as possible, you must record static GNSS data on 02 GCPs in the same city/municipality at approximately the same time. You can start recording at the first GCP, move to the second GCP and start that recording, then take photos of each setup during the recording period. This will save time (2-2.5 hours total instead of 4+ hours).

Training: Agniforge will train your GCP field staff by conducting GCP surveys with them on 02 GCPs in or near the capital.

Communication: We will set up a WhatsApp (or similar) discussion group for communications during the survey and for data transfer after each pair of GCPs.

PERSONNEL & EQUIPMENT

Below is what Agniforge considers the necessary field personnel and equipment for this project:

No.	Element	Qty	Function	Remark
1	Surveyor	1	GCP Data Collection	Or Survey Technician
2	Assistant	1	Monitor the receiver	
3	Vehicle	1	Team transport	
4	GNSS Receivers	2	Record GPS, GLONASS, BEIDOU, GALILEO satellites	With download/transfer cable
5	Receiver Support	2	Tripod and Tribrach	Or bipod and pole
6	Laptop	1	Data download/conversion	With required software
7	Smartphone	2	Photos, videos, communications	Good camera
8	Data SIM Card	2	Data transmission	5G, 4G, or 3G
9	Tape Measure	2	Measure receiver heights	3m, metal
10	Clipboard	2	Sketch forms	Ruler, pen/pencil
11	Long Tape	2	Measure features	30m, cloth or plastic
12	Sketch Forms	*	GCP info & sketches	Provided by Agniforge

HEALTH, SAFETY & ENVIRONMENT (HSE)

Personnel safety is paramount.
Please take all necessary precautions to protect your staff while traveling and operating on the road. This includes hi-vis vests and traffic cones to guide traffic away from personnel and equipment. Vehicles should be parked off the carriageway, and hazard lights switched on.

Cleanup: Do not leave any waste at the GCP site; dispose of it properly in street bins or at the hotel in the evening.
Daylight Only: Photos and videos must be taken in good daylight conditions; therefore, do not perform surveys after dark.

GNSS RECEIVER SETTINGS

All GNSS receiver parameters (epoch interval, elevation mask, etc.) will be provided by Agniforge before mobilization. Equipment must be protected against rain and secured during high winds.

Photos must be taken like this:

PHOTOS :

01

02

03

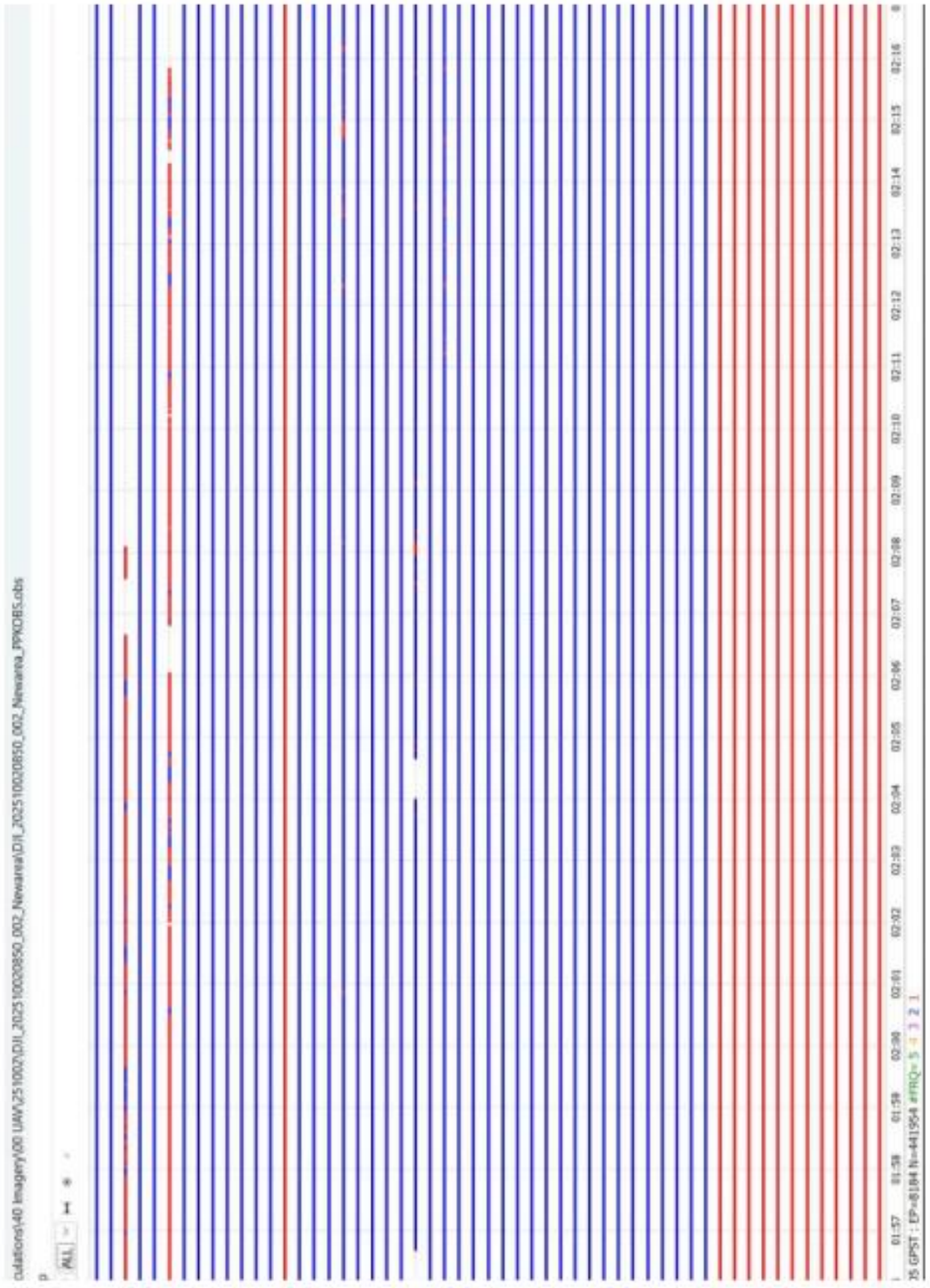
04

05

06

07

08



The screenshot (RTK plot) from RTKLIB should look like this.

COUNTRY [ ]	DD	MMM	2026	X	X	X	0		-	

GCP No. [ ] 00000 _ - _ *Surveyor*

Antenna Height m ARP *Receiver Brand Model S/N*

Note *Page* of

Sketch

N

PHOTOS AND VIDEOS

START										END			
Antenna H		Ground CU	Rx	Video	N	E	S	W	Feature	Video	Other	Ant H	
Cu	All											Cu	All
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Data Downloaded	Converted to RINEX	Transmitted to GCI
Date/Time:	*Date/Time:*	*Date/Time:*

INTERNATIONAL

COUNTRY										
[VieTnam]	10	Jan	2026				0	4	-	4

GCP No. [ ] 00000 1 - 4

Antenna Height 1,52 m ARP

Note

Surveyor Sergei A

Receiver Brand Model S/N Jatlab JL600 [illegible]

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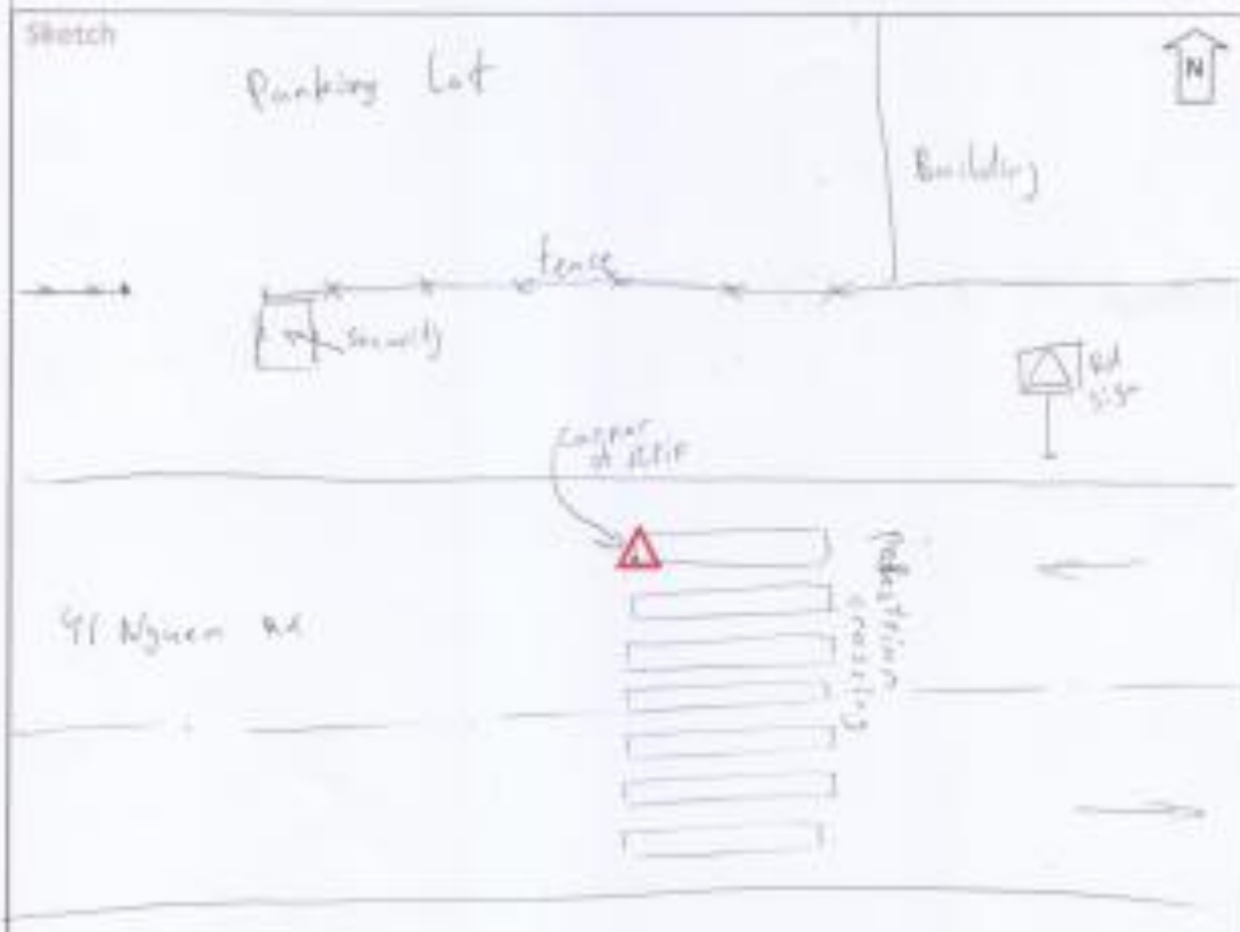
Sketch



PHOTOS AND VIDEOS

START											END			
Antenna H Ca	Antenna H All	Ground CU	Rx	Video	N	E	S	W	Feature	Video	Other	Ant H Cu	Ant H All
☐	☐	☑	☑	☐	☐	☑	☑	☐	☑	☐	☑	☐	☑

Data Downloaded	Converted to RINEX	Transmitted to GCI
✓	✓	
Date/Time: 10.01.2026	Date/Time: 10.01.2026	Date/Time:

SUMMARY OF PROCEDURE

Data Collection:
a. Navigate to the Primary GCP location via Google Maps. Verify access/sensitivity and notify Agniforge immediately if the location is inappropriate.
b. Locate the GCP position, paint it, and send 1-2 photos to Agniforge for verification.
c. Install the GNSS receiver at the verified position.
d. Start static GNSS data collection.
e. Move to the Secondary GCP and repeat the process.
f. For each GCP:
i. Measure and take a close-up photo of the antenna height.
ii. Take a series of photos and a video of the receiver while logging and share them with Agniforge.
iii. Complete the Agniforge Sketch Form and send a photo of it.
iv. Collect data for a minimum of 122 minutes.
v. After 110 minutes, re-measure and re-photograph the antenna height.
vi. Take a 2nd video of the receiver and wait for Agniforge confirmation before stopping.

Data Handling and Transfer:
a. Download/transfer data to the laptop.
b. Convert data to RINEX V3.0 format.
c. Inspect the RTK plot (using RTKLIB) and take a screenshot.
d. Send RINEX data and screenshots to Agniforge for final confirmation before moving to the next town.