

Eligibility Criteria:

Interested Central / State Public Sector Undertakings CPSU's or State PSU's designated to undertake such kind of work shall only may submit their proposals

Deliverables:

1. Supply and installation of GPS system in the vehicles. GPS hardware should have below mentioned minimum technical specifications :

Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS sensitivity	-159dBm
GPS accuracy	less than or equal to 5m
Work voltage	9V-90v
Time To First Fix	Cold status 45-85s Warm status 35s Hot status 1s
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

2. Dedicated manpower to be provided in every district for installation and for further service support. Hardware should be with one year warranty considering from date of installation. Service support should be free during warranty period as well as till the time vehicle is paying the subscription charges for GPRS.
3. Integration with existing software to provide existing software for tracking information and active GPS report.
4. A portal to be developed for monitoring of health status of the vehicle on the basis of GPS active status and GPRS active status, on non-working of GPS/GPRS or on tempering of GPS its status should be converted to INACTIVE and should be shared to existing mining department portal so that new sales order cannot be booked by that vehicle.
5. A portal should be able to provide complete details from activation of GPS with vehicle no., chassis no. and engine no., activation date and time, payment details, plan details, complaint logs etc. It should also be able to send SMS to the registered mobile no. of the vehicle 15 days before expiry of their GPRS subscription with online link to make payment and renew the GPRS subscription.
6. A dedicated (Dedicated only for Water Resources (Mining and Geology) project) customer care contacts to be provided with complaint management system, details of logs to be maintained for calculation of SLA. The logs should be consist of details such as complaint login date and time, resolution date and time with authentic OTP system from complainant registered mobile no., etc.
7. The tracking server and application should be going to shift in the state data center as and when required or as per instructions of Water Resources (Mining and Geology) Department, Punjab.
8. The GPS system should have provision for Geo-fencing, temper detection, ignition ON, moving vehicle, GSM blind area location upload again etc.
9. System Integrator should be responsible to get clear the security audit and should make sure that any kind of data should not be shared to any country or third party. Especially tracking server for GPS.
10. Application and tracking server with datacenter space to be provided till the time of shifting of application and tracking server to data centre with

maintenance and server support for 2 years with integration to existing Punjab Sand Portal as per the deliverables mentioned above. This Application software shall be the property of Water Resources Department, Punjab and service provider will hand over this application software after 2 years service support of contract period.

Price Quotation Format:

S. No.	Description	Unit Price	QTY	Amount
01.	Supply of GPS Equipment as per the specifications mentioned above	Rs.	5000	Rs.
02.	Installation charges of GPS Equipment in every district	Rs.	5000	Rs.
03.	Application and tracking server with datacenter space till the time of shifting of application and tracking server to data center, with Maintenance and service support for 2 years. With integration to existing Punjab Mining Portal as per the deliverables mentioned above.	Rs.	1 SET	Rs.
04.	GPRS (Class A ISP Only, with signal availability in entire Punjab) with Onsite Dedicated Service Support team for GPS & GPRS with every district presence & one dedicated customer care no. as per the deliverables mentioned above.	Rs.	Per Year Charges Per GPS	Rs.

Note: The quantity as mentioned in above format may vary as per the actual requirement.

Terms & Conditions:

1. Taxes
2. Payment Terms
3. Delivery period

Notice for inviting quotation for supply installation, integration etc of GPS system

Water Resources Department, Punjab, Mining and Geology has proposed the installation of Global Positioning System (GPS) on all the vehicle carrying Minor Mineral in the Punjab State to restrict the unlawful transportation of minerals. As such the sealed quotations are invited for the supply, installation and integration etc. of GPS System as mentioned in the deliverable.

The quotation may be submitted to the office of Chief Engineer/Drainage cum Mining and Geology, Punjab Madhya Marg, Sector-18B Chandigarh in 10 days in the prescribed performa. (Email: chiefminingpb@gmail.com) The detailed deliverables and performa may be downloaded from the site www.minesandgeology.punjab.gov.in/index. (for any query Mob. 9878307001). Addendum and corrigendum, if any, will be uploaded on the site mentioned above only.