



Government of Rajasthan
Rajasthan State Health Society-NHM
Swasthya Bhawan, Tilak Marg, Jaipur 302005

F.32(99)/NRHM/CSR/PCPNDT/Part-II/2244

Date 5/9/14

To
District Appropriate Authority (PCPNDT)
and District Collector, Rajasthan

Sub Division Appropriate Authority (PCPNDT)
and Sub Divisional Officer, Rajasthan

District Nodal Officer (PCPNDT)
and Chief Medical & Health Officer, Rajasthan

Subject: Technical specifications and guidelines for the management and smooth operations of tracking devices (Active Tracker/ Silent Observer).

With reference to the above cited subject, please find enclosed herewith the technical specifications and guidelines for the management and smooth operations of tracking devices fitted with sonography machines at the registered sonography centers.

Encl:

- ✓ Technical specifications
- ✓ Guidelines
- ✓ Block Diagram

(Kishanaram Esharwal)
Deputy Director, RCH &
Incharge, State PCPNDT Cell

Copy for information and necessary actions to:-

1. PS to Chairperson, State Appropriate Authority PCPNDT
2. PA to State Nodal Officer (PCPNDT)
3. PA to Project Director, PCPNDT
4. Addl. S.P., PCPNDT
5. Deputy Director, RCH & I/C State PCPNDT Cell
6. Health Manager, State PCPNDT Cell
7. All District PCPNDT Coordinators
8. Consultant IT, NHM to email and upload on website.

(Kishanaram Esharwal)
Deputy Director, RCH &
Incharge, State PCPNDT Cell

Technical specifications of tracking device(s)

SNo	Technical specifications
1.	It should be able to store data* for the period of 2 years, as per the Pre-Conception & Pre-Natal Diagnostic Techniques (PCPNDT) Act.
2.	Every data should be stored in compressed, secured (password-protected), tamper-proof and encrypted form.
3.	It should be ensured that stored data be not manipulated or deleted by any mean and should be protected from tampering.
4.	It should start continuous recording/storing of data as soon as sonography machine is ON and recording/storing of data should not be controlled through external equipments (e.g. probe, keyboard, remote etc).
5.	For taking backup of the data from tracking device, software application should be provided free-of-cost by the firm/company to the State/District/Sub-Division Appropriate Authority and State PCPNDT Cell. The software should have simple and easy user-interface for taking backup and decryption of data.
6.	It should be able to send signal and information (e.g. Hard Disk Drive (HDD) space, No. of videos created, Time stamp etc) on every On/Off event of sonography machine (through Short Message Service (SMS)/ General Packet Radio Service (GPRS)) which can be monitored or reviewed using online web-application/software on real-time basis (secured web-application)
7.	It should be able to send Alert SMS to the center owner's registered mobile number on every On/Off event of sonography machine.
8.	It should have external viewable indication (Light Emitting Diode (LED) or other) for showing its status (working or non-working).
9.	The firm/company should provide the User-id and Password to every center owner to check the online status of the tracking device.
10.	There should not be manual or remote operated On/Off switch button in the device including SMS/GPRS facility and functioning of device.
11.	Brief details like installation date, unique serial no (sno.), HDD sno., datacard sno. firm/ company help-desk or support desk contact no. & email should be pasted clearly on the top of the device.
12.	It should be tightly fitted/ sealed with sonography machine in a tamper - proof manner.
13.	Each tracking device should have UNIQUE serial number.
14.	If HDD space is full then it should be sealed and kept by Center Owner safely.

Note:

(*) – Continuous video of each and every sonography being done in the sequential manner.

Enclosure:

Block diagram of Sonography Machine and Tracking Device.



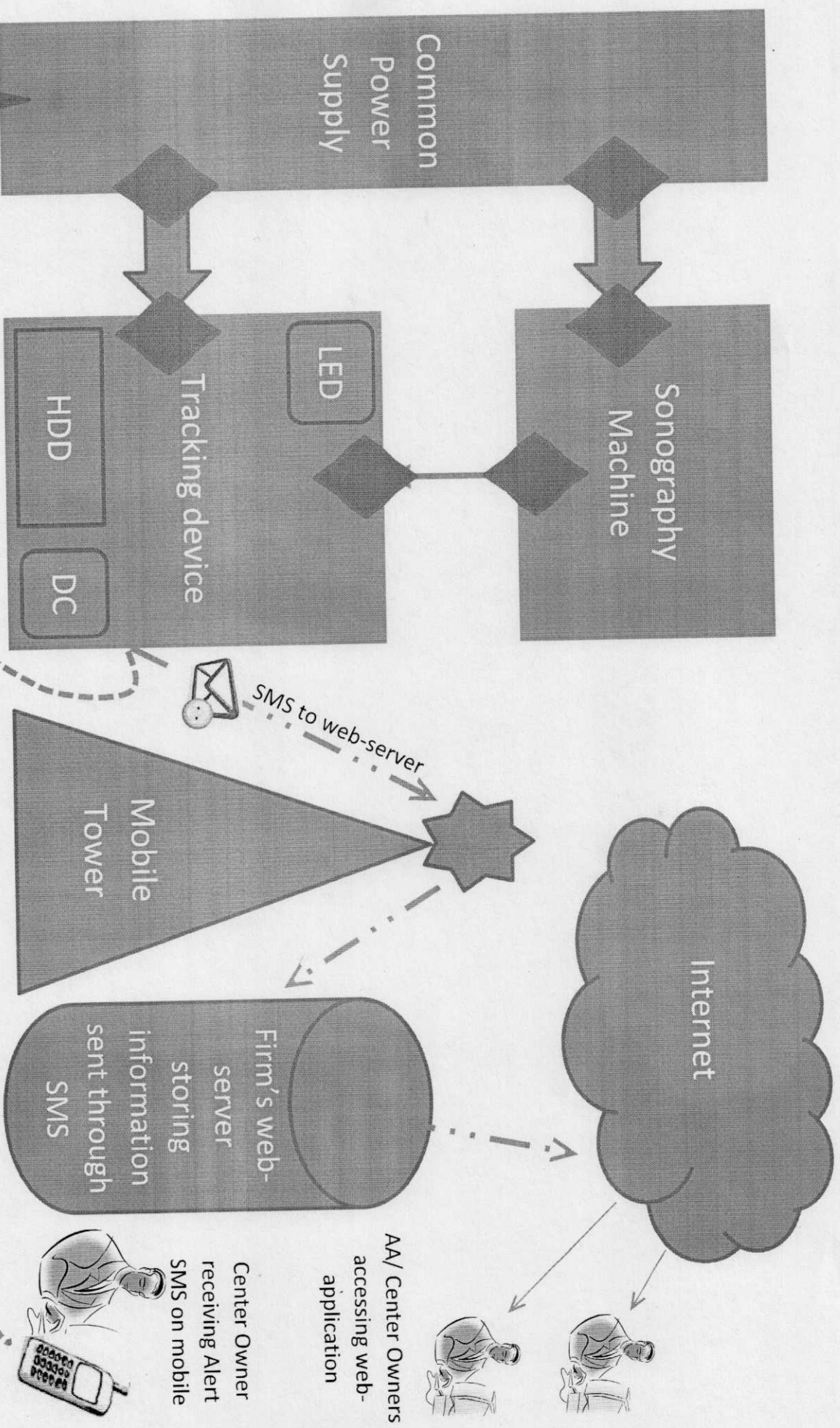
Guidelines for the monitoring of the tracking device(s)

SNo	Guidelines
1.	Appropriate Authority will regularly monitor the tracking device.
2.	The stored data is to be viewed only by the Appropriate Authority/ Authorised Officer(s)
3.	The payments/ expenses (e.g. recharge of SMS/GPRS pack, replacement of HDD, repair, Annual Maintenance Contract (AMC)/ Comprehensive Maintenance Contract (CMC) etc) to keep the tracking device operational/ functional is the responsibility of the center owner.
4.	<p>The firm/ company is bound to visit its tracking device at every sonography center atleast once in three months and on call from the center owner. The support/ technical engineer of the firm /company has to maintain and update the service support register placed by the center owner at the center in the following format:-</p> <p>(Sno./ Complaint no./ Complaint date/ Date of visit/ Complaint details/ Action taken to resolve the complaint/ Status of tracking device/ Test Report SNo./ Name of support or technical engineer/ Mobile no. of support or technical engineer/ Email of support or technical engineer/ Joint Signature with seal of Support Engineer and Center owner/ Other remarks)</p> <p>On installation/ first visit of Support Engineer, details mentioned at point no. 5.a) should be updated on first page of the register.</p>
5.	<p>Deliverables by the firm/company to the center owner:-</p> <ol style="list-style-type: none"> a) Installation report should contain details of the installation date, hospital, sonography machine make/model no./sno., tracking device sno., data-card sno., SIM no, SIM connection (pre/post paid), SMS/GPRS information, HDD sno.. b) Documents related SIM connection. c) Test report for the successful testing of equipments after installation/ service visit with proper tamper-proof sealing. d) Invoice/ Bill should contain tracking device sno. e) Warranty and extended warranty details. f) Agreement for the smooth/ continuous working of the tracking device. g) User-id and password for monitoring online status. h) Alert SMS to the center owner's registered mobile number on every On/Off event of sonography machine and also for timely recharge of SMS. i) Schedule maintenance/visits details. j) User manual with Do's and Dont's instructions for smooth functioning. k) Contact details and support details of the firm.
6.	<p>Deliverables by the firm/company to the Appropriate Authority:-</p> <ol style="list-style-type: none"> a) Training to the technical staff regarding online web-application/ software, backup software, backup of data, decryption software etc. b) Support to the Appropriate Authority as and when required. c) User-id and password for monitoring online status. d) User manual with Do's and Dont's instructions for smooth functioning.

	e) Contact details and support details of the firm.
7.	In case tracking-device is not-working, down-time could be maximum 48 hrs (for distance less than or upto 250 Kms) and maximum 72 hrs (for distance more than 250 Kms) once the complaint is registered/ lodged by the center owner to the firm/company. Centre owner must ensure to register/ lodge the complaint and firm/company must ensure to acknowledge the "complaint no. and date" to the center owner on the receipt of complaint through suitable mechanism (e.g. Online web-application, Email, SMS etc)
8.	Firm/company selling the tracking device should ensure to submit the sale records to the Appropriate Authority and State PCPNDT Cell on quarterly basis.
9.	Center owner has to ensure the timely recharge of the SIM used in the tracking device. In case, the firm/company is doing the recharge of the SIM on behalf of center owner then center owner must demand/collect the copy of invoice/bill and deposition/receipt slip on regular basis. It is preferred that the center owner must do the necessary recharges and maintain the record because primary responsibility is of center owner. IT IS TO BE ENSURED BY THE CENTER OWNER THAT IN NO CASE SIM SHOULD BE INTERRUPTED/ DISCONTINUED.
10.	If tracking device rate is increased by more than 5% due to these guidelines then revised rate of the equipments and services to be finalized after consultation State PCPNDT Cell and IRIA Office Bearer.



Block Diagram of Sonography Machine and Tracking Device



Tamper-proof sealing to be ensured at the joints/connections.

- HDD Hard Disk Drive;
- DC Data Card;
- AA Appropriate Authority