

**No.18014/13/2010-LRD**  
Government of India  
Ministry of Rural Development  
Department of Land Resources

NBO Building, Nirman Bhawan  
New Delhi

Dated 31<sup>st</sup> December, 2012

To

All the Members of the CTAG (annexed copy).

Subject: Minutes of the meeting of "Core Technical Advisory Group (CTAG)" meeting for bringing the changes in the indicative list of item for the NLRMP Centre/Cell.

Sir,

The undersigned is directed to forward herewith a copy of the minutes of the meeting of "Core Technical Advisory Group (CTAG)" held under the Chairmanship of Secretary (LR) on 12<sup>th</sup> December, 2012 at 11.00 AM in Committee Room of the Department of Land Resources, G-Wing, NBO Building, Nirman Bhawan, New Delhi-01 for information and necessary action at your end.

Yours faithfully,



(K. K. Phull)

Under Secretary (LR)

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Copy for information to:

1. PPS to Secretary (LR).
2. PS to AS (LR).
3. PS to JS (LR).
4. PA to Director (LR).

**Minutes of the Meeting of the Core Technical Advisory Group (CTAG) held on 12<sup>th</sup> December, 2012 in Committee Room of the Department of Land Resources**

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A meeting of the Core Technical Advisory Group (CTAG) under the Chairmanship of Secretary (LR) was held on 12<sup>th</sup> December, 2012 in the Committee Room of the Department of Land Resources, NBO Building, Nirman Bhawan, New Delhi. The list of participants is at **Annexure-II**.

2. Initiating the discussions, Secretary (LR) desired information about the status of establishment of the NLRMP Cells sanctioned earlier and the need for increasing the upper limit of cost for the items admissible for establishing NLRMP Cell. He directed that States/UTs may be asked to set up the NLRMP Centre/Cells at the earliest, so that regular training on the NLRMP components is available in house. He further stated that specifications of GPS, ETS and other instruments being specified for NLRMP Cell should be in sync with the field requirements of cadastral survey and map updation operations. He also stated that common curriculum may be defined for training purposes which can be modified by the States/UTs as per their specific requirements to include local content for capacity building of their revenue and registration officers. He stressed the need of Open Source software to be used and desired that National Informatics Centre (NIC) should provide these software for training and operational needs of the States/UTs, so that we are not tied down by the specific platforms and vendors, who may try to pass on their software and equipment's with additional accessories which may not be required by the State/UT.

3. AS (LR) informed the chair that only four NLRMP Cells are functioning in the country at present. These are in Madhya Pradesh, Maharashtra, Punjab and Haryana. The Department has so far sanctioned 31 NLRMP Cells in 26 States/UTs. He further stated that procurement of the equipment for the Cells is a difficulty which most of the States/UTs are facing and the Department should help them. He further stated that few States and NICS have floated tenders for GPS, ETS and Scanner (A0) and rates

quoted in these are much higher than the rates indicated under the specifications of the NLRMP Cell.

4. Shri Vinod Agarwal, Principal Secretary, Govt. of Andhra Pradesh insisted that NIC and National Remote Sensing Centre (NRSC) which are present in each State should provide the technical support to the States/UTs. He further stated that we may increase the upper limits as suggested by the Department of Land Resources. However, each State should invite tenders according to their specific needs depending upon the number of instruments required, the software and the set of the satellite data required for cadastral survey.

5. Shri Rajeev Chawla, Principal Secretary, Govt. of Karnataka expressed the need to fix the upper limit but the State must ascertain the hardware and the software required for the capacity building. Regarding slow progress in establishment of NLRMP Cell, a time limit may be given to the States/UTs by the Department, i.e., up-to 31.6.2013. The States/UTs must complete the work relating to deployment of the staff, purchase of equipment, preparation of curriculum and the training need assessment by that time. The release of further funds to the States/UTs may be linked to the aforesaid establishment of the Cell.

6. Dr. J. R. Sharma, Chief General Manager, NRSC informed that their Department is getting rebate on the purchase of instruments from the vendors when these are purchased for academic purposes. He advised the Department that to follow the same.

7. Ms. Suman Gupta, Research Officer, Office of the Registrar General of India advised that the States/UTs may go for the floating licenses which may reduce the cost in purchase of the desired software. She informed that their Department is making use of these floating licenses.

8. Concluding the discussion and summing up on the basis of valuable inputs Secretary (LR) stated that the States/UTs should be careful in choosing the equipments and should not be moved by the vendor driven projections. They must see the optimum requirement and future applicability in the purchase of equipment's and

software. They may follow the procedure of procurement and training already being conducted in successful States viz. Madhya Pradesh, Haryana, Punjab and Maharashtra. The upper limit of the rates for the items indicated in **Annexure-I** is approved but the State/UT should first decide the actual requirement of the equipment's and the software for their Cell as per their specific State/ UT needs. Further, the States/UTs must call for tenders as per the procedure laid down in their State purchase rules/regulations. However, the actual rates approved by the State/UT or the rates indicated in the List, whichever is lower may be sanctioned to the State/UT.

The meeting ended with a vote of thanks to the Chair.

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## Annexure-I

### Changes in the indicative list of items for the NLRMP Centre/Cell

Sl. No.	Details of the items as communicated by the DoLR	Unit cost communicated by the DoLR	Additional features/accessories required	Estimated unit cost with additional accessories excluding taxes and AMC
1.	Electronic Total Station (ETS) with $\pm 3$ seconds accuracy and minimum 2 km. range (with reflector) or better with pre-processing software and at least two weeks training by the vendor to 4 persons per instrument, with AMC renewable after 5 years	` 4.00 lakhs (` 32 lakhs for 8 sets).	High memory backup, USB support, Blue tooth support, serial port, electronic guide light, 2 <sup>nd</sup> keyboard with full VGA color touch screen, additional traverse set, additional external battery kit	` 6.00 - ` 7.00 lakhs
2.	Global Positioning System (GPS) with dual frequency receiver and processing software along with at least 2 weeks training for 4 people onsite.	` 12.00 lakhs per pair.	As DGPS is being used for cadastral survey, the receiver must have the capability to support the satellite signals from US, Russia(GLONASS) and European Union(Galileo), Indian(Bhuvan). Rover for DGPS, Rover for triangulation, AMC renewable after 5 years	` 15.00 - ` 18.00 lakhs(for a pair of dual frequency GPS receivers)
3.	Flatbed color scanner (A0)	` 10.00 lakhs.	The rates provided earlier in the indicative list for NLRMP centre/cell was of Roller Scanner. Flatbed scanner of A0 size is mainly required for scanning of old land records cadastral maps/map sheets which are in bad shape. Since A0 flatbed scanner in one go can achieve high	` 25.00 lakhs

			accuracy, symmetry of data being scanned.	
4.	GIS-ready digitization software – AutoCAD		The name of the software mentioned by the Department may be removed. In its place the following may be mentioned: “GIS-ready digitization software – Any standard GIS digitization software capable of vectorizing/creating topology of cadastral maps.”	
5.	Images processing software (ERDAS/ENVI/IGIS) plus GIS software ARCInfo		The names of the software mentioned by the Department may be removed. In its place the following may be mentioned: “Any standard – Image Processing Software (IPS)”	