

(14)

**MODULE OF SHORT TERM TRAINING PROGRAMME FOR REVENUE INSPECTOR/
ASST.REVENUE INSPECTOR/ AMIN ON SURVEY & DEMARCATION
(PLANE TABLE SURVEY)**

SL.NO	TOPIC	PERIOD
1	A. Out line of survey, meaning of Original Survey and Revision Survey B. Acquaintance with survey instruments, drawing materials and stationeries(plane Table and Tripod with cover, Gunter's and metric chain and arrow (suja), button pin,sight vane (sist) optical square, Diagonal Scale(of different scale in FPS and metric) party,offset Scale (gunia of different scale (gunia of different scale in FPS and metric) magnetic compass, Divider,plumb with fork, Spirit Level, Acre and hectare comb of different scales,latha or offset poles of 20 links, flag, chnga, square sheets of inch and metric grid,pencil 4H and 6H, eraser, measurement tape (steel) c. Standard line formation and it's use	2
2	Identification/ demarcation and fixation of survey marks (tri junction and bi-junction) through tie line,offset square	2
3	a. Meaning and aim of Traverser and sub traverse.method of traverse (Theodolite, prismatic,c hain triangulation, plane Table) b. Conducting Plane Table Traverse (setting of plane using instruments) Prolongation of traverse line, correct chaining ,cutting the chain, crossing the obstacle alignment of flag, forward and back sighting, closure of traverse polygon, preparation of khaka, permissible error in measurement 1/2 link per chain in original and 1 link per chain in revision survey	2
4	Opening of margin,base line formation of quadrilaterals/rectangles,it's check and pass, entry in khaka,Distribution of error,boundary plotting.	2
5	Internal plotting(Sikim line, use of offset square and it's testing, limits of offset ,plotting of map) Check of accuracy of plotting(Partial li nes it's limitation and coverage. Preparation of field Book and it's plotting and tracing showing correction.	2
6	Embedment of survey marks, stone khaka, stone register maintenance by RI as per Odisha Land Records manual Definition of plot, it's numbering, importance of S mark, plotting in higher scale,margin comparison. Adopted station (method of fixing necessity in revision and testing.	2
7	Area extraction a) through acre and hectare comb (in different scale),1 st extraction, second extraction and mean area, passable error from Ac.0.050 to Ac.1.000 (b) geometrical method c) marking on graph/square sheet d) planimetre UT area and out villages	2
8	Sub Division of plot and Bata plot number, preparation of sketch showing measurement s and separate supporting trace map Sabik —hal correlation with skill test a) from cadastral map of different scale, FMB with hal map (in Ganjam and Koraput and Baliguda subdivision) Understanding the final map (prepared under settlement and consolidation law Map Heading-Index to sheets, Direction, Adjoining villages and thoka line ,Plot Numbering, conversion scale, Diagonal scale, Alamat, Hansia and deletion of plots, certificate, intersection points) Mujumili and it's use Conversion of scale and area,	2
9	Meaning and necessity of demarcation (of govt plot for protection lease and alienation, on purchase of land, for mutation, revenue cases including land acquisition, private land dispute, boundary dispute ,error in measurement, error in ROR .Execution of decree or court order, Delivery of possession including left out chaks) Reporting of case of contravention of chapter V of OCH&PFLAct	2
10	Skill test on demarcation ; a) relay of map by using latha, adopting tie line ,giving lines from fixed points including survey marks adopted station and trimmed and chaumedha, using optical square and field book ,by chain triangulation Preparation of demarcation report sketch(khaka) and tracemap.	2
	TOTAL	10

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