

List of Equipment of Survey Lab:

Sr. No.	Name of Item with Specifications	Unit	Qty.
1	Optical Square (Indian Type) wedge shaped hollow metallic box of 5cm sides and 3 cm deep with a handle 8cm long- Akero Make	Nos.	6
2	Distance Measuring Tapes conforming to relevant BIS code.Freeman's make or equivalent : Length – 20m, Akero Make	Nos.	6
3	Cross staff :		
	a)Open type metallic 100X100X150 mm iron leg painted at bottom,1.5m length	Nos.	6
	b) French Cross Staff made of brass octagonal tube with teakwood pole1.5m long	Nos.	6
4	Wooden Pegs Size 25mmx25mm, Length 200mm including shoe, made of best seasoned wood - conforming to relevant BIS code	Nos.	20
5	Line Ranger -Prism type 15 mm dia	Nos.	6
6	Wooden mallets with fiber handle :		
	a) 350 G	Nos.	6
	b) 500 G	Nos.	6
7	Plane Table consisting of Drawing Board 75cmX60cmX2cm made of seasoned pine wood/fire wood and braced with teak wood battens fitted with brass screws and washers in slots complete with metallic disc of 160mm dia at base and confirming to BIS-2539:1963 , accessories comprising of magnetic trough compass confirming to BIS-1764:1961 , spirit level 15 cm long, plumb bob , 28cm long brass U -fork, alidade 45 cm long made of brass, one sided beveled edged wooden stand with metallic head and shoes.	Sets	4
8	Prismatic Compass (100mm) made of brass or gun metal Circles: Aluminum graduated every 30 minutes Reading- Agate stone bearing with help of prism glasses & reflecting mirror packed in fiber case with sighting vane and rigid stand and ball socket arrangement with aluminum stand Conforming to BIS : 1957-1961 .	Nos.	6
9	Surveyor's Compass (100mm) Made of gun metal with metal circle graduated to full degree with two bubble and bar needle fitted with real agate stone to give very accurate bearing, supplied in fiber case with Aluminum stand having ball and socket head. Conforming to relevant BIS code.	Nos.	6
10	Survey Chains; Conforming to B IS : 1492-1970, Made of 8 SWG Wire		
	a) Metric chain – 20m	Nos.	6
	b) Metric chain – 30m	Nos.	6
11	Alluminium Levelling Staff- 4m , telescopic, 3 or 4 sections, Graduation 5mm in front in red & black on white ground graduation with push type locking system and iron shoe supplied in water proof canvas cover. Conforming to relevant BIS code.	Nos.	6
12	Distance Measuring Tapes conforming to relevant BIS code.	Nos.	6

	Freeman's make or equivalent : Length – 30m		
13	Chaining Arrow: Made of hardened steel wire dia - 4mm, making 50 mm dia circle at one end and pointed at other end, total Length -400 mm, Black enamelled Conforming to relevant BIS code.	Nos.	20
14	Plumb bob: Made of brass carrot shape fitted with 1.52m water proof silk cord complete with suspension hook and grip washer. Confirming to relevant BIS code.	Nos.	6