

Laboratory and Measuring and Observing and Testing Equipment ; 41											GeM 3.0	
Measuring and observing and testing instruments ; 4111												
Land surveying instruments ; 411142												
TELESCOPIC LEVELLING STAFF ; 41114295												
S. No.	Parameter	Field Type	Field Category	LOV							Unit	Comment
PERFORMANCE / MATERIAL												
1	Nominal Length of the Staff in fully extended condition	Measurable	Golden	3.0	4.0	5.0	6.0	7.0	7.5		meters	
2	Number of Sections	Numeric	Golden	3	4	5	6					
3	Accuracy of graduations over the full length	Enumerable	Golden	± 1 mm		± 1.5 mm						
4	Co-efficient of expansion of the staff	Enumerable	Golden	Less than or equal to 24 ppm per deg. C for Aluminium staff		Less than or equal to 10 ppm per deg. C for Fibreglass staff		Not Applicable for Wooden staff				
5	Number of Circular levels provided	Numeric	Golden	1	2							
6	Construction	Enumerable	Golden	Telescopic construction comprising specified number of sections								
7	Material of the Staff	Enumerable	Golden	Thoroughly seasoned and radially sawn Timber (Wooden)			Aluminium Alloy tubes		Fibreglass tubes			
8	If, Wooden Staff, Species of the timber used for the staff	Enumerable	Golden	Not Applicable for Al / Fibreglass Staff, Teak, Cypress, Kail, Deodar, Aini, Champ, Hollock								
9	Treatment / Finish of the Staff	Enumerable	Golden	Treated with suitable fungicide, coated with weather resistant varnish and Enamel Painted / PVC coated		Enamel Painted	Anodized and Enamel Painted		Powder Coated			
10	Material of the shoe / base plate	Enumerable	Golden	Hardened Stainless Steel		Brass		Anodized Aluminium Alloy				
11	Material of the Cap	Enumerable	Golden	Stainless Steel		Phosphatized Structural Steel		Anodized Aluminium Alloy				
12	Material of the Spring	Enumerable	Golden	Hardened, Tempered and Phosphatized Spring Steel								
13	Material of the Catch	Enumerable	Golden	Stainless steel		Phosphatized Structural Steel						
14	Material of the Screws	Enumerable	Golden	Brass		Stainless Steel						
15	Bar-coded	Boolean	Golden	Yes	No							
16	Provided with foldable handles	Boolean	Golden	Yes	No							

S. No.	Parameter	Field Type	Field Category	LOV						Unit	Comment
17	Provided with Fittings for plummet	Boolean	Golden	Yes	No						
18	Back lit via electroluminescent foil which illuminates entire graduations without forming shades	Boolean	Golden	Yes	No						
19	Robust locking mechanism	Boolean	Golden	Yes	No						
20	Water-Resistant and Corrosion-Resistant Staff	Boolean	Golden	Yes	No						
21	Dual measuring faces	Boolean	Golden	Yes	No						
22	Graduation on front face	Enumerable	Golden	Bar-Code	E-graduation		mm	cm			Multi Select
23	Graduation on back face (hint:- Select whichever are Applicable)	Enumerable	Golden	Bar-Code	E-graduation		mm	cm	Not Applicable		Multi Select
24	Colour of the background face	Enumerable	Golden	White	Bright Yellow		Silver				
25	Colour of the graduations (hint:- Select whichever are Applicable)	Enumerable	Golden	White	Black	Red					Multi Select
26	Weather Resistant graduations	Boolean	Golden	Yes	No						
27	Compatible to automatic level measuring instruments of other makes	Boolean	Golden	Yes	No						
28	Conformity to standard	Enumerable	Mandatory	Generally conforming to IS 11961-latest							
SALIENT FEATURES											
1	Salient Features (hint:- Select whichever are Applicable)	Enumerable	Golden	Not Applicable; Graduations silk screen printed on a white plastic sheet and pasted with suitable adhesive on the staff; Print (graduations) protected by polyester coating; With attachable Laser receiver brackets							Multi Select
ACCESSORIES											
1	Accessories inclusive in the scope of supply (hint:- Select whichever are Applicable)	Enumerable	Golden	Not Applicable; Plummet; Ground Plate; Cip-on bubble; User Manual; Transport Case for 2 Staffs; Transport Case for each Staff							Multi Select
GENERIC											
1	Weight	Measurable	Mandatory							kg	AKBNV
2	Overall Dimensions (Size) (mm X mm X mm)	Text	Mandatory								AKBNV

S. No.	Parameter	Field Type	Field Category	LOV						Unit	Comment
3	Compatible make, model and type of the automatic level measuring instruments	Text	Mandatory								AKBNV
4	Additional Features, If Any	Text	-								AKBNV
5	List of Items and Quantity of each Item Included in the Offer	Text	-								AKBNV
ENVIRONMENTAL CONDITIONS											
1	Minimum Operating Temperature (Accuracy to be maintained within the operating range)	Measurable	Mandatory / Filter	0	-10	-15	-20			Temp / degree C	Lower is Better
2	Maximum Operating Temperature (Accuracy to be maintained within the operating range)	Measurable	Mandatory / Filter	40	50	55				Temp / degree C	Higher is Better
3	Maximum Humidity, Non Condensing - Rh (Accuracy to be maintained within the operating range)	Measurable	Mandatory / Filter	65	70	80	90	95		%	Higher is Better
WARRANTY											
1	Warranty	Measurable	Golden	1, 2, 3					Year	Higher is Better	
CALIBRATION											
1	Supplied with length calibration certificate (inclusive in the scope of supply)	Boolean	Golden	Yes	No						
2	Calibration Certificate issuing authority	Measurable	Golden	OEM Certificate		NPL	NABL / ILAC accredited agency		Not Applicable		

AKBNV: Allow Key But Not Value

Creator (s)

TA - Sumit Dhaka

AD - GRK Pillai

**Modifier
DCEO - SK Jain**

**APProver (s)
ACEO - HRS / ACEO - PS**