Calibration Charges: DP No. (1.02) DP Name: (Length, Dimension and Nanometrology) (w.e.f. 01.04.2025)												
Sl. No	**Parameter**	**Item Type / Group**	**Item Name**	**Alias Name**	**Range**	**No. of Points for Calibration**	**Limitation / Condition**	**Charges per Item Rs.**	**Additional Charges Rs.**	**Description for Additional Charges**	**Remarks, if any**	**Tatkal**
1	Length	Line Standard	Reference Standard Meter Bar / Line Scale	Meter Bar	1m	10		52800	1300	For each additional point above 10 points		10 working days
2	Length	Line Standard	Graticule Scale upto 300 mm	Glass Scale	300 mm	10		10800	800	For each additional point above 10 points	Laser_UMM	10 working days
3	Length	Line Standard	Graticule Scale >300mm -1000 mm	Glass Scale	>300 upto600 mm	10		32100	1300	For each additional point above 10 points	Q_vision_CMM	10 working days
4	Length	Line Standard	Glass Grid	10X comparator		1		11600	5200	For each additional grid with same setting	Mean of upto10 grid spacing of each axis	10 working days
5	Length	Line Standard	Measuring Tape (Steel /woven/glass Fibre)		50 m	One point per meter		5900	700	For each additional meter	IS: 1270-1991	10 working days
6	Length	End Standard	single Gauge Block	Slip Gauge		for first gauge block or each gauge bloack of odd size provided NPL-India accepts to calibrate ,Deviation from central length #	By Comparison Method	17100		for first gauge block and each gauge in case the gauges are odd size	IS: 2984-2003, ISO:3650-1998	10 working days
7	Length	End Standard	Gauge Block Set	Slip Gauge		for first gauge block of set with traditional denomination considered by NPL-india, , Deviation from central length #	By Comparison Method	17100 for first gauge block	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-1998	10 working days
8	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method (Designated M112)		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	59800	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-1998	10 working days
9	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / Designated M125		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	64800	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2000	10 working days

10	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / Designated M122		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	63600	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2001	10 working days
11	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method (Designated M121)		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	63300	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
12	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / Designated M111		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	59400	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
13	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M105		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	57100	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
14	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M103		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	56300	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
15	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M87		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	50200	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
16	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M83		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	48600	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
17	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M79		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	47100	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
18	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M78		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	46700	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days

19	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M76		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	45900	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
20	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M50		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	35900	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
21	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M47		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	34800	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
22	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M46		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	34400	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
23	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M41		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	32500	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
24	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M38		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	31300	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
25	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M33		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	29400	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
26	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M32		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	29000	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
27	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M27		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	27100	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days

28	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M18		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	23600	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
29	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M10/Mic check set		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	20500	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
30	Length	End Standard	Gauge Block Set	Slip Gauge By Comparison Method / M9		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Comparison Method	20100	400	for subsequent gauge blocks up to 100mm	IS: 2984-2003, ISO:3650-2002	10 working days
31	Length	End Standard	single Gauge Block	Slip Gauge		Deviation from central length #	By Interferometric Method	25100	25100	for first gauge block and subsequent gauge block above 102mm	IS: 2984-2003, ISO:3650-1998	10 working days
32	Length	End Standard	Gauge Blocks as Set	slip gauges submiited as a set		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	25100	1900	for first gauge block and subsequent gauge block up to 102mm	IS: 2984-2003, ISO:3650-1997	10 working days
33	Length	End Standard	Gauge Block Set	Slip Gauge Set By Interferometric Method/M112		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	232700	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-1997	10 working days
34	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M125		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	257000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-1998	10 working days
35	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M122		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	251400	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-1999	10 working days
36	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M121		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	249500	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2000	10 working days
37	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M111		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	230800	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2001	10 working days

38	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M105		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	219600	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2002	10 working days
39	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M103		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	215900	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2003	10 working days
40	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M87		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	186000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2004	10 working days
41	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M83		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	178500	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2005	10 working days
42	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M79		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	171000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2006	10 working days
43	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M78		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	169100	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2007	10 working days
44	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M76		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	165400	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2008	10 working days
45	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M50		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	116800	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2009	10 working days
46	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M47		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	111200	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2010	10 working days

47	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M46		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	109300	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2011	10 working days
48	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M41		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	100000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2012	10 working days
49	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M38		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	94300	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2013	10 working days
50	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M33		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	85000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2014	10 working days
51	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M27		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	73800	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2016	10 working days
52	Length	End Standard	Gauge Block Set	Slip Gauge By Interferometric Method / M18		for first gauge block of set with traditional denomination considered by NPL-india, Deviation from central length #	By Interferometric Method	57000	1900	for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2017	10 working days
53	Length	End Standard	Gauge Block Set for Mechncial comparator calibration	Special Gauge Set viz. M10/M11/M12/M18 (Excluding bridge type Gauge)		Deviation from central length by inteferometry and (Fo, Fu by comparison or Length variation 1mm, 1.005mm, 1.01mm size of gauge blocks)	By Interferometric Method	60500 for first ten guages	3900	for first ten guages and for subsequent gauge blocks up to 102mm	IS: 2984-2003, ISO:3650-2018 , Euramet-Cg-2,2011	10 working days
54	Length	End Standard	Length Bar	Long Slip Gauge		per gauge (central length dev)	By Comparison Method (Horizontal)	9000	above 100mm upto 300 mm	per gauge Single Point (length)	IS: 7014-1973 (Reaffirmed 2005)	10 working days
55	Length	End Standard	Length Bar	Long Slip Gauge		per gauge (central length dev)	By Comparison Method (Horizontal)	9400	above300 mm upto 500 mm	per gauge Single Point (length)	IS: 7014-1973 (Reaffirmed 2005)	10 working days
56	Length	End Standard	Length Bar	Long Slip Gauge		per gauge (central length dev)	By Comparison Method (Horizontal)	12700	above 500 to 1000 mm	per gauge Single Point (length)	IS: 7014-1973 (Reaffirmed 2005)	10 working days
57	Length	Thickness Standard	Feeler Gauge	Leaf Gauge / Slip		Thickness	By Comparison Method (Horizontal)	6600	3300 each leaf	for first leaf and subsequent leaf	IS: 3179-1990 (Reaffirmed 2005)	10 working days

58	Length	Diameter Standard	Plain Ring / Plug Gauge/sphere 3 Pin wire set		(Upto 100 mm)	Diameter and Variation in Diameter	By Comparison Method (Horizontal)	9400			IS: 3484-1993 / IS: 3485-1993 (Reaffirmed 1998)	10 working days
59	Length	Dia Standard	Plain Ring / Plug Gauge/sphere		>100 to 300 mm	Diameter and Variation in Diameter	By Comparison Method (Horizontal)	12000			IS: 3484-1993 / IS: 3485-1993 (Reaffirmed 1998)	10 working days
60	Length	Instrument	Dial Gauge, Plunger / lever Type		> 25 mm to 100 mm		By Comparison Method (Horizontal)	16500 (for 20 points)	800	for each additional point	IS: 2092-1993	10 working days
61	Length	Instrument	Dial Gauge,Plunger/ Lever Type		0 to 25 mm		By Comparison Method (Horizontal)	8800 (for 10 points)	800	for each additional point	IS: 11498-1995	10 working days
62	Length	Instrument	Engineering Parallel					4300		Upto 1000 mm	IS: 4241-1995	10 working days
63	Length	Instrument	Gauge Block Calibrator *	Comparator		Single Scale only	By Comparison Method	20600				10 working days
64	Length	Instrument	Gauge Block Calibrator	Comparator		Three Scales	By Comparison Method	41300				10 working days
65	Length	Instrument	Mechanical Comparator				By Comparison Method	27000				10 working days
66	Length	Instrument	Floating Carriage Diameter Measuring Machine	FCDMM			By Comparison Method	33000				10 working days
67	Error of Indicated Displacement	Instrument	Length Measuring Machine / Dial Gauge Tester / Dial Gauge Calibrator	LMM / Horinzontal Metroscope / I Checker /Universal Measuring Machine /Digital Height Gauge		Upto 25 mm (per Axis)		22600			wavelength compensated	10 working days
68	Length	Instrument	Length Measuring Machine / Dial Gauge Tester	LMM or Horinzontal Metroscope or Universal Measuring Machine/Digital Height Gauge		for first 100mm (above 25 mm upto 100mm) of Single Axis in one orientation /each axis		22600	2800	for subsequent 100 mm up to 1000 mm	wavelength compensated	10 working days
69	Length	Instrument	Length Measuring Machine (Single Axis)	LMM or Horinzontal Metroscope or Universal Measuring Machine /Digital Height Gauge		up to 1000 mm (Single Axis/each axis)		50600	9700	For each additional meter		10 working days
70	Length	Instrument	Caliper Checker/ Check Master	step gauge		Rs 28000 for first 300mm ,then Rs 3000 for subsequent 100mm upto 1000mm		30800	3300	Rs 30800 for first 300 mm,then Rs 3300 for subsequent 100 mm up to 1000 mm		10 working days
71	Length	Instrument	3D-Coordnate Measuring Machine	CMM/Articulated CMM		up to 1m (additional charges for subsequent 220mm upto 1220mm)		52800	9700	subsequent 220 mm per axis above 1 m upto 1220 mm *	single axis	10 working days
72	Length	Instrument	3D-Coordnate Measuring Machine	CMM/Articulated CMM		Rs 150000 for three axes, upto 1000 mm then Rs 8800 for subsequent 220mm per axis upto 1220 mm maximum range		165000	9700	Rs 165000 for three axes, upto 1000 mm then Rs 9700 for subsequent 220mm per axis upto 1220 mm maximum range*	three axis	10 working days

73	Length	Instrument	CNC Machine	Boring Machine /automatic moving machine up to 30m single axis		up to 1m x1m x 1m (additional charges for subsequent 1m per axis)		55000	9700	subsequent 1m per axis above 1m		10 working days
74	Length	Instrument	CNC Machine	Boring Machine /automatic moving machine up to 30m three axis		Three axes, upto 1000 mm per axis		152900	9700	For each additional meter		10 working days
75	Length	Instrument	Dial Gauge Tester / Extensometer	(Except I Checker / Motorized dial tester)				27000	5500	per additional orientation/axis	(Except I Checker / Motorized dial tester)	10 working days
76	Length	Instrument	Electronic Probe/LVDT Probe					27000	5500	per additional scale		10 working days
77	Length	Accessory	Test Sieve	Sieve				17600				10 working days
78	Angle	Angle Standard	Angle Gauge block					10500	2200	for subsequent angle measurment on each angle block or on same block		10 working days
79	Angle	Angle Standard	Angle square block					17100				10 working days
80	Angle	Instrument	Polygon /Indexing Table/Optical Dividing Head with Scale	angular encoder,optical level				60500	3600	upto 12 Faces and For each additional face beyond 12 faces		10 working days
81	Angle	Instrument	Spirit Level	Level meter/Point laser level/optical level/line laser level/ Inclinometer				15400				10 working days
82	Angle	Instrument	Electronic Level	Level meter/Point laser level/optical level/line laser level		Angle		37400	6600	per point after 10 points		10 working days
83	Angle	Instrument	Auto-collimeter (Single Axis)	Collimator/ thodolite station collimator/Angle dekker		Angle		30800				10 working days
84	Angle	Instrument	Auto-collimeter (Dual Axis)	Collimator/ thodolite station collimator/Angle dekker		Angle		46200				10 working days
85	Length & Angle	Instrument	Profile Projector	vedio profiler/vedio measuring machine		Linear Scales up to 300mm and magnifications only		52800	8800	for subsequent 100 mm up to 1000 mm		10 working days
86	Length & Angle	Instrument	Profile Projector	vedio profiler/vedio measuring machine		Angular Scale only		26400				10 working days
87	Length & Angle	Instrument	Profile Projector	vedio profiler/vedio measuring machine		Linear scales up to 300mm, magnifications		72100	9700	for subsequent 100 mm up to 1000 mm		10 working days
88	Length & Angle	Instrument	Profile Projector	vedio profiler/vedio measuring machine		Linear up to 300mm, Angular Scales & magnifications		79200	9700	for subsequent 100 mm up to 1000 mm		10 working days
89	Length & Angle	Instrument	Sine Bar / tilting table	Sine Bar	up to 300mm	Centre distance of rollers, Flatness of Face, parallelism of rollers		33000				10 working days

90	Length & Angle	Instrument	Sine Bar / tilting table	Sine Bar	above 300 mm	Centre distance of rollers, Flatness of Face, parallelism of rollers		37400				10 working days
91	Form	Instrument	Tool Maker's Microscope	Universal Measuring Microscope		Linear Scales and magnifications only		45100	12100	For Z axis		10 working days
92	Form	Instrument	Tool Maker's Microscope	Universal Measuring Microscope		Angular Scale only		29200				10 working days
93	Form	Instrument	Tool Maker's Microscope	Universal Measuring Microscope		Linear, Angular Scales & magnifications		74300	11000	For Z axis		10 working days
94	Form	Instrument	Formtester	Formtester/Roundness measuring machine		Roundness		28800				10 working days
95	Form	Instrument	Formtester	Formtester/Roundness measuring machine	up to 100mm straightness wayguide length	Roundness, Staightness,		55400		up to 100mm straightness wayguide length		10 working days
96	Form	Instrument	Formtester	Formtester/Roundness measuring machine	up to 100mm straightness wayguide length	Roundness, Staightness, R-axis, Z-axis		126500		up to 100mm straightness wayguide length		10 working days
97	Roughness	Roughness Standard	Groov Depth Standards (Type D) / Roughness Comparison Specimen	Groov Depth Standards (Type D) / Roughness Comparison Specimen	up to 50µm	upto one roughness parameter on the same specimen		10500	1100	per subsequent roughness parameter		10 working days
98	Roughness	Roughness Standard	Roughness measuring machine	Roughness measuring machine/ Roughness tester		with atleast three Groov Depth Standards (Type D) /three Roughness Comparison Specimen		31400	9700	per axis calibration with a dispalcement standard(laser interferometer/ dial indicator/ glass scale)		10 working days
99	Roundness	Roundness Standard	Hemispherical Standard			Roundness		28800				10 working days
100	Roundness	Roundness Standard	Flick Standard	maginification standard		Roundness		28800				10 working days
101	Squareness	Squareness Standard	Engineer's Square			Squareness		17500				10 working days
102	Squareness	sqness, straightness, roundness, parallelism	Reference /Standard cylinder			Roundness , parallelism (four readings) ,cylindricilty	Roundness , parallelism (four readings) ,cylindricilty	82000				10 working days
103	Squareness	Squareness Standard	Cylindrical Square			Squareness	On CMM	20100			IS: 6952-1990 reaffirmed 2006	10 working days
104	Squareness	Squareness Standard	Engineer's Square			Squareness	On CMM	26600			IS: 2103-1980 reaffirmed 2006	10 working days
105	Squareness	Squareness Standard	Cylindrical standard			Squareness /Parallelism	On roundness Machine	26600				10 working days
106	Squareness	Squareness Standard	Angle Plate, Cast Iron		Upto 300 mm	Squareness / Angularity		17900			IS: 2554-1971 (Reaffirmed 2005) On CMM	10 working days

107	Squareness	Squareness Standard	Angle Plate, Cast Iron		>300 to 600 mm	Squareness / Angularity		26800			IS: 2554-1971 (Reaffirmed 2005) On CMM	10 working days
108	Squareness	Squareness Standard	Precision Box Angle Plate		Upto 300 mm	Squareness / Angularity		33300			IS: 6985-1973 (Reaffirmed 2005) ,On CMM	10 working days
109	Squareness	Squareness Standard	Precision Box Angle Plate		>300 to 600 mm	Squareness / Angularity		49000			IS: 6985-1973 (Reaffirmed 2005), On CMM	10 working days
110	Straightness	Accessory	Straight Edge (Bow Shaped)/ (Camel Back type)/ (I-Section)/ (Parallel)	(Bow Shaped)/ (Camel Back type)/ (I-Section)/ (Parallel)	Upto 500 mm	Straightness		13000			IS: 2220-1995 (Reaffirmed 2005)	10 working days
111	Straightness	Accessory	Straight Edge (Bow Shaped)/ (Camel Back type)/ (I-Section)/ (Parallel)	(Bow Shaped)/ (Camel Back type)/ (I-Section)/ (Parallel)	>500 to 1000 mm	Straightness		20100			IS: 2220-1995 (Reaffirmed 2005)	10 working days
112	Flatness	Accessory	Surface Plate		160 x 160 mm	Flatness		12200			IS: 2285-2003 IS: 7327-2003 /On CMM	10 working days
113	Flatness	Accessory	Surface Plate		450 x 450 mm	Flatness		12200			IS: 2285-2003 IS: 7327-2003/On CMM	10 working days
114	Flatness	Accessory	Surface Plate		630 x 630 mm	Flatness		19800			IS: 2285-2003 IS: 7327-2003	10 working days
115	Flatness	Accessory	Surface Plate		1000 x 630 mm	Flatness		24900			IS: 2285-2003 IS: 7327-2003	10 working days
116	Flatness	Accessory	Surface Plate		1000 x 1000 mm	Flatness		32500			IS: 2285-2003 IS: 7327-2003	10 working days
117	Flatness	Accessory	Surface Plate		1600 x 1000 mm	Flatness		55300			IS: 2285-2003 IS: 7327-2003	10 working days
118	Flatness	Accessory	Surface Plate		2000 x 1000 mm	Flatness		65400			IS: 2285-2003 IS: 7327-2003	10 working days
119	Flatness	Accessory	Surface Plate		2000 x 1400 mm	Flatness		65400			IS: 2285-2003 IS: 7327-2003	10 working days
120	Flatness	Accessory	Surface Plate		3000 x 2000 mm	Flatness		95800			IS: 2285-2003 IS: 7327-2003	10 working days
121	Flatness	Accessory	Optical Flat/Parallel		up to 100mm Diameter	Flatness of one surface		24500			IS: 5440-1969 (Reaffirmed 2005)	10 working days
122	Flatness	Accessory	Optical Flat/Parallel		up to 100mm Diameter	Flatness of both surface		36200			IS: 5440-1969 (Reaffirmed 2005)	10 working days
123	Flatness	Accessory	Optical Flat/Parallel		up to 100mm Diameter	Flatness and parallelism/ wedge angle between two surface		51100			IS: 5440-1969 (Reaffirmed 2005)	10 working days
124	Flatness	Accessory	Optical Flat/Parallel		>100mm to 150mm Diameter	Flatness of one surface		51100			IS: 5440-1969 (Reaffirmed 2005)	10 working days
125	Flatness	Accessory	Optical Flat/Parallel		>100mm to 150mm Diameter	Flatness of both surface		61100			IS: 5440-1969 (Reaffirmed 2005)	10 working days

126	Laser frequecny (Single freqency) using Iodine stabilized He-Ne laser	frequency standard	Laser head		473 THz, 633 nm			57100				10 working days
127	Step height	End standard	step height	End standard	above 50 µm upto to 2 mm	height of the step/ groove		15600			ISO 5436	10 working days
128	Length	Instrument	Vernier Caliper/ Bevel Protector	instrument	up to 300 mm	Linear scale including vernier scale		7900	100	per additional 100 mm	IS 3651	10 working days
129	Length	Instrument	Micrometer / Micrometer Head	instrument	up to 25 mm	Linear scale including vernier scale		7900	200	per additional 25 mm	IS 2967	10 working days
130	Length	Instrument	Hardness tester Scale	depth measuring system	0.0003 mm accuracy up to 100mm	Nonmagnetic method	When the requisite fixtures and accessories are facilitated by customer	52800				10 working days
131	Angle	Instrument	Theodelite calibration station	universal station/ 3D simulator	Three pitch angle and a rotary axis up to 10 readings	Three pitch angle and a rotary axis with reference to ground level	When the requisite fixtures and accessories are facilitated by customer	66000				10 working days
132	Angle	Instrument	Theodelite calibration station	universal station/ 3D simulator	Three pitch angle and a rotary axis up to 10 readings	Three pitch angle and a rotary axis with reference to ground level	When the requisite fixtures and accessories are facilitated by customer	66000	47300	Additional dual axis collimator upto 40 readings		10 working days
133	Length	artifact	Test rail	Defects in test rail	Notch size (length:5mm to 10 mm)X (width: 0.4mm to 5 mm)X(depth: up to 2 mm)	up to 20 Notches or holes		52300	2800	subsequent each Notche/ hole		10 working days
134	Length	artifact	Ball bar	Center to center sphere spacing/distance	upto 1000 mm	Rs 28000 for center distance of sphere only, If diameter required then Rs 14000 for each sphere		30800	15400	Rs 15400 for subsequent ball spacing in same artifact. If diameter required then Rs 15400 for each sphere		10 working days
135	Length	artifact	Airline/ Waveguide/Snap gauge/wedge/Misc. items	Diameter/length / thikness/width	upto 1000 mm	length, diameter, width etc.		19000	8800	Rs 8800 for subsequent length/diameter in same artifact		10 working days
136	Laser frequency using optical frequency comb (for Single frequency)	frequency standard	Laser head		473 THz, 633 nm			157730				10 working days

NOTE	**# Rs 100 per gauge will be charged extra for addition of fo , fu using comparator (except for special guage block set of Mech. comparator calibrator)**
	# Rs 300 per gauge block for flatness and length variation by interferometric method (in case interferometric central deviation calibration)

NOTE	
	# Given below are charges for Gauge block calibration by interferometry. For the gauge block set which is sent to NPL for first time by interferometry, charges of comparison method stated above as well as interferometric metod will be charged
	M122 is known as designated (The suffix M denote) gauge block set with conventional denominations of gauge block sizes
	*** Our measurement capability is upto 1220 mm, as we have the standard of 1220 mm.**