



रा०ल०उ०न० तकनीकी सेवा केंद्र NSIC TECHNICAL SERVICES CENTRE
राष्ट्रीय लघु उद्योग निगम लिमिटेड THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
 (भारत सरकार का उद्यम)(A Government of India Enterprises)
 Sector-71, Tigaon Road, Neemka, Faridabad - 121004 (Haryana)
 सामग्री परीक्षण प्रयोगशाला - MATERIAL TESTING LABORATORY
RATES FOR TESTING EFFECTIVE FROM 01-04-2025

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
CHEMICAL ANALYSIS OF METAL						
1	Single Element (Purity)	-	-	500.00	1 sample	10 days
2	Ferrous Material (upto 5 Elements)					
	i	Manganese Steel	IS:228	IS:1870	750.00	1 sample
		C, Mn, Si, S, P				
	ii	Plain Carbon Steel/ Cast iron/ Pig Iron	IS:228	IS:1870	750.00	1 sample
		C, Mn, Si, S, P				
	iii	Alloy Steel/ Alloy Cast Iron (more than 5	IS:228	IS:1870	1000.00	1 sample
		Cr, Ni, Mo, V, W				
	iv	Alloying Elements (more than 5 elements)	IS:228	IS:1870	1000.00	1 sample
		Cr, Ni, Mo, V, W				
	v	Main Element Only	IS:228	IS:1870	750.00	1 sample
	vi	Ferrous Material (more than 5 Elements)	IS:228	IS:1870	1000.00	1 sample
	vii	Chemical Analysis By Spectrometer (Iron Base Fe)	IS: 8811	-	1000.00	1 sample
3	Ferro Alloys upto 5 Elements					
	i	Main Element Only	IS:228	IS:1870	1000.00	1 sample
4	Non-Ferrous Material					
	i	Copper Base	IS:3685	IS:1264, 318, 319	1000.00	1 sample
	ii	Tin Base	IS:27	IS:26	1000.00	1 sample
	iii	Lead Base	IS:1409	IS:27	1000.00	1 sample
	iv	Aluminium Base	IS:504	IS:1285, 733, 737	1000.00	1 sample
MECHANICAL TESTS (DESTRUCTIVE)						
1	i	Dimension (each parameter: length, width, height, diameter)		500.00	Full Sample	10 days
2	i	Tensile Test (Duly ready/ machined test	IS:1608	1000.00	1 m	10 days
		(Tensile Strength, Elongation & Breaking Load)				10 days
	ii	Yield Stress/ Proof Stress	IS:1608	500.00	1 m	10 days
	iii	Modulus of Elasticity		500.00	1 m	10 days
	iv	Machining Charges - Small Job Work		300.00		3 days

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
	v	Machining Charges - Heavy Job Work			500.00		3 days	
	vi	Freedom from Defect			500.00	Sample	3 days	
	Load Test							
3	i	Breaking Load Test (Duly ready/ machined test samples with Fixture)			1000.00	1 m	10 days	
		Wire Rope, Rod, Chain, Hook, Stay Set, Sisal Rope, Manila Rope etc.					10 days	
	ii	Complicated and heavy jobs will be charged extra			500.00		10 days	
	iii	Bend Test	IS: 1599		500.00	0.5 m	10 days	
	iv	Rebend Test	IS: 1599		500.00	0.5 m	10 days	
	v	Reverse Bend Test	IS: 1599		500.00	0.5 m	10 days	
	vi	Face bend Test	IS: 1599		500.00	0.5 m	10 days	
	vii	Root Bend Test	IS: 1599		500.00	0.5 m	10 days	
	viii	Transverse Test			500.00	0.5 m	10 days	
	ix	Flattening	IS:2328		500.00	0.5 m	10 days	
	x	Wrapping	IS:1755	IS:280	500.00	0.5 m	10 days	
	xi	Weight per meter	IS:808		300.00	1 m	10 days	
4	i	Dynamometer (Load Verification) 20 T			3000.00	1 unit	10 days	
5	Measurement of Plating Thickness							
	i	Anodic Coating (Al)	IS:5523	IS:1868	1000.00	1 sample	10 days	
	ii	Mass of Zinc Coating determination	IS:6745	IS:4736	1000.00	1 sample	10 days	
	iii	Uniformity of Zinc Coating Test (Dip Test)	IS:2629	IS:4736	1000.00	1 sample	10 days	
	iv	Hard Chrome Plating	IS:3203	IS:1068	1000.00	1 sample	10 days	
	v	Nickel Chrome Plating	IS:3203	IS:1068	1000.00	1 sample	10 days	
	vi	Powder Coating	IS:101	IS:13871	1000.00	1 sample	10 days	
	Cold Reduced Low Carbon Steel							
6	i	Tensile Strength and Elongation%	IS:1608	IS:513	1000.00	1 sample	10 days	
	ii	Yield Stress	IS:1608	IS:513	300.00	1 sample	10 days	
	iii	Bend Test	IS:1599	IS:513	500.00	1 sample	10 days	
	iv	Chemical Analysis (C,Mn,S,P)	IS:228	IS: 280	750.00	1 sample	10 days	
	BUILDING MATERIAL TESTING							
1	Wooden Flush Door Shutters (Solid Core Type) / (a) Particle Board and Hardboard Face Panels (b) Plywood face panel							
	i	Dimension Test						
		(a) Height		IS: 4020	IS: 2202	200.00		
		(b) Width		IS: 4020	IS: 2202	200.00		
		(c)Thickness		IS: 4020	IS: 2202	200.00		
	ii	Squareness Test		IS: 4020	IS: 2202	300.00	Full Door	30 days
	iii	General Flatness Test		IS: 4020	IS: 2202	500.00		
	iv	Impact Indentation Test		IS: 4020	IS: 2202	1500.00		
	v	Flexure Test		IS: 4020	IS: 2202	1250.00		
	vi	Edge Loading Test		IS: 4020	IS: 2202	750.00		
	vii	Shock Resistance Test		IS: 4020	IS: 2202	2000.00		
	viii	End Immersion		IS: 4020	IS: 2202	2500.00		
	ix	Glue Adhesion		IS: 4020	IS: 2202	750.00		
	x	Knife Test		IS: 4020	IS: 2202	500.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	xi	Screw withdrawal test	IS: 4020	IS: 2202	750.00		
	xii	Slamming test	IS: 4020	IS: 2202	500.00		
	xiii	Buckling test	IS: 4020	IS: 2202	500.00		
2	Structural Timber/ Wood			IS: 883		1 x 0.25 m	15 days
	i	Moisture content	IS:287		500.00		
	ii	Density/ Unit Mass	IS:399		500.00		
	iii	Modulus of Elasticity	IS:1708		750.00		
	iv	Modulus of Rapture	IS:1708		750.00		
	v	Compression Stress II to grain	IS:1708		300.00		
	vi	Compression Stress $\perp$ to grain	IS:1708		300.00		
	vii	Feature Analysis	IS:1708		250.00		
	viii	Visual Test	IS:1708		250.00		
3	Block Board					Full Board	30 days
	i	Resistance to Water	IS:2380	IS:1659	1000.00		
	ii	Modulus of Rapture	IS:2380	IS:1659	750.00		
	iii	Modulus of Elasticity	IS:2380	IS:1659	750.00		
4	Wood Particle Board		IS: 2380	IS: 3087		Full Board	15 days
	i	Dimension					
		(a) Height			200.00		
		(b) Width			200.00		
		(c)Thickness			200.00		
	ii	Water Absorption			500.00		
	iii	Swelling Test			500.00		
	iv	Modulus of Rapture			750.00		
	v	Tensile Strength			1000.00		
	vi	Screw withdrawal test			500.00		
	vii	Density			500.00		
	viii	Modulus of Elasticity			750.00		
	ix	Moisture content			500.00		
5	Pre-laminated Particle Board		IS: 2380	IS: 12823		Full Board	15 days
	i	Dimension					
		(a) Height			200.00		
		(b) Width			200.00		
		(c)Thickness			200.00		
	ii	Water Absorption			500.00		
	iii	Swelling Test			500.00		
	iv	Modulus of Rapture			750.00		
	v	Tensile Strength			1000.00		
	vi	Screw withdrawal test			500.00		
	vii	Density			500.00		
	viii	Modulus of Elasticity			750.00		
	ix	Moisture content			500.00		
	x	Resistance to Steam			500.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	xi	Resistance to Crack			500.00		
	xii	Resistance to Stain			1000.00		
	xiii	Resistance to Cigarette Burn			300.00		
6	Medium Density Fiber Board		IS:2380	IS: 12406		Full Board	15 days
	i	Dimension			500.00		
		(a) Size					
		(b) Thickness					
	ii	Water Absorption			500.00		
	iii	Swelling Test			500.00		
	iv	Modulus of Rapture			750.00		
	v	Tensile Strength			1000.00		
	vi	Screw withdrawal test			750.00		
	vii	Density			500.00		
viii	Modulus of Elasticity			750.00			
7	General Purpose Plywood		IS:1734	IS:303		Full Board	30 days
	i	Dimension			200.00		
		(a) Size					
		(b) Thickness					
	ii	Glue Adhesion			500.00		
		(a) Glue Shear Strength (Dry State)					
		(b) Mycological Test					
		(c) Water Resistance Test					
	iii	Moisture content			500.00		
	iv	Modulus of Rapture			750.00		
v	Modulus of Elasticity			750.00			
8	Glass Fiber Reinforced Plastic (GRP)					Full Shutter	30 days
	i	Fiber Glass Content	IS: 14856	IS: 14856	750.00		
	ii	Tensile Strength	IS: 14856	IS: 14856	1000.00		
	iii	Bending Strength	IS: 14856	IS: 14856	500.00		
	iv	Elastic modulus	IS: 14856	IS: 14856	750.00		
	v	Water Absorption	IS: 14856	IS: 14856	500.00		
9	Shuttering Plywood		IS:1734	IS: 4990		Full Board	30 days
	i	Dimension			200.00		
		(a) Size					
		(b) Thickness					
	ii	Moisture content			500.00		
	iii	Glue Shear Strength			500.00		
	iv	Modulus of Rapture			750.00		
	v	Modulus of Elasticity			750.00		
vi	Water Resistance			1000.00			
	Marine Plywood		IS:1734	IS: 710			
	i	Dimension			200.00		
		(a) Size					

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
10		(b) Thickness		200.00	Full Board	30 days
		Glue Adhesion				
	ii	(a) Glue Shear Strength	(P-4)	1000.00		
		(b) Adhesion of Plies	(P-5)	500.00		
	iii	Tensile Strength		1000.00		
	iv	Modulus of Rapture	(P-11)	750.00		
	v	Modulus of Elasticity	(P-11)	750.00		
	vi	Moisture content	(P-I)	750.00		
	vii	Mycological Test	(P-7)	750.00		
11	Fire Retardant Plywood		IS:1734	IS: 5509	Full Board	30 days
	i	Dimension				
		(a) Size		200.00		
		(b) Thickness		200.00		
	ii	Glue Adhesion		750.00		
	iii	Modulus of Rapture		750.00		
	iv	Modulus of Elasticity		750.00		
	v	Glue Shear Strength		500.00		
	vi	Rate of Burning		2500.00		
12	Decorative Thermosetting Synthetic Resin Bonded Laminated Sheet (IS:2046-1995)				Full Board	30 days
	i	Resistance to Immersion boiling water		1000.00		
	ii	Resistance to cracking		500.00		
	iii	Resistance to staining		1000.00		
	iv	Resistance to steam		500.00		
13	High Strength Deformed Steel Bars and Wires		IS: 1786		2 m	10 days
	i	Tensile Strength	IS:1608	1000.00		
	ii	Proof Stress/ Yield Stress	IS:1608	500.00		
	iii	Elongation Percentage	IS:1608	300.00		
	iv	Bend	IS:1599	500.00		
	v	Rebend	IS:1599	500.00		
	vi	Weight per meter		300.00		
	vii	Chemical Analysis - C, S, P	IS:228	750.00		
14	Reinforcement Couplers for Mechanical Splices of Bars (IS 16172)				1 m x 1	
	i	Tensile Strength	IS:1608	1000.00		10 days
15	Uncoated Stress Relieved Low Relaxation Seven Ply Strand (IS 14268)				1 m x 1	10 days
	i	Breaking Strength	IS:1608	1000.00		10 days
	ii	Proof Load	IS:1608	500.00		10 days
	iii	Elongation Percentage	IS:1608	500.00		10 days
	iv	Weight	IS:1599	300.00		10 days
	v	Chemical Analysis - C, S, P	IS:228	750.00		10 days
	Galvanised Strand for Earthing		IS 12776			10 days
	i	Breaking Strength	IS:1608	1000.00		10 days

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
16	ii	Elongation Percentage	IS:1608		500.00	1 m x 1	10 days
	iii	Mass	IS:1608		300.00		10 days
	iv	Wrapping	IS:1599		750.00		10 days
	v	Zinc Coating			750.00		10 days
17	Hot Rolled Medium and High Tensile Structural Steel (IS 2062)						
	i	Tensile Strength	IS 1608		1000.00	1 m x 3	14 days
	ii	Yield Stress	IS 1608		500.00		
	iii	Elongation Percentage	IS 1608		300.00		
	iv	Bend	IS 1599		500.00		
	v	Dimension			200 Each		
	vi	Chemical Analysis (C, Mn, S, P, Si, CE)	IS 228		1000.00		
18	Lime Stone (Slabs and Tiles)			IS 1128		FS x 1 No	10 days
	i	Water Absorption	IS 1124		500		
	ii	Transverse Strength	IS 1121		1000	(200x50x50)x3 No	
	iii	Durability test	IS 1126		7500	φ50 x 3 Nos	
19	Sand Stone/ Kota Stone (Slabs and Tiles)			IS 3622		FS x 1 No	10 days
	i	Water Absorption	IS 1124		500		
	ii	Transverse Strength	IS 1121		1000	(200x50x50)x3 No	
	iii	Resistance to Wear	IS 1706		5000	(70x70)x3 Nos	
	iv	Durability test	IS 1126		7500	φ50 x 3 Nos	90 days
20	Structural Granite			IS 3316		FS x 1 No	10 days
	i	Water Absorption	IS 1124		500		
	ii	Specific Gravity	IS: 1124		500	FS x 1 No	
	iii	Compression Strength	IS: 1121-1		1000	(50x50)x3 No	
21	Natural Building Stones			IS 1123		FS x 1 No	10 days
	i	Specific Gravity	IS: 1124		500		
	ii	Compression Strength	IS: 1121-1		1000	(50x50)x3 No	
	iii	Resistance to Abrasion	IS 1706		5000	(70x70)x3 Nos	
	iv	Modulus of Elasticity			1000	FS x 1 No	
	v	Porosity	IS: 1124		300	FS x 1 No	
	vi	Tensile Strength	IS: 1121-1		1000	φ50 x 3 Nos	
22	Marble (Slabs, Blocks and Tiles)		IS:1124	IS:1130		Full Slab	10 days
	i	Moisture Absorption	IS: 1121-1		500		
	ii	Specific Gravity	IS: 1122		500		
	iii	Hardness (Moh's Scale)			500		
23	Kerb Stone		IS: 1578	IS:5758			
	i	Dimension			200 Each		
	ii	Water Absorption			500		
	iii	Compressive Strength			1400		
	iv	Transverse Strength			500		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
24	Cement Analysis OPC/ PPC		IS: 4032	IS: 269, IS:455, IS:1489, IS:12269, IS:8112		50 kg (1 bag)	30 days
	i	Chemical Test	IS:4032				
		(a) Ratio: (CaO-0.7SO ₃)/ (2.8SiO ₂ +1.2Al ₂ O ₃ +0.65Fe ₂ O ₃)			500.00		
		(b) Ratio: Alumina to Iron Oxide			500.00		
		(c) SO ₃ by mass			500.00		
		(d) IR by mass			500.00		
		(e) MgO by mass			500.00		
		(f) Loss on Ignition			500.00		
	ii	Physical Test	IS:4031				
		(a) Setting time(initial and final setting time)		IS:8112	500.00		
		(b) Compressive Strength (3, 7 and 28 days)		IS: 516	2000.00		
		(c) Consistency	IS: 4031	IS:8112	500.00		
		(d) Soundness (Le Chatelier Method)	IS: 4031	IS:8112	500.00		
		(f) Fineness (Sieve Method)	IS:4031	IS:8112	500.00		
25	Manhole Cover		IS:12592	IS:12592			
	i	Dimensions			2000.00	1 No.	5 days
	ii	Load Test			2000.00		
26	Precast Concrete Cable Covers		IS 5820	IS 5820			10 days
	i	Breaking Load/ Transverse Strength			1000.00	1 Nos.	
	ii	Impact Strength			1000.00	1 Nos	
27	Concrete Cube					3 cubes	5 days
	i	Compressive Strength(1 set with 3 nos sample))	IS:516	IS: 456	1500.00		
28	Concrete Core					1 core	7 days
	i	Thickness (1 set with 3 nos sample)	IS:516		300.00		
	ii	Compressive Strength (1 set with 3 nos sample)	IS:516	IS: 456	1400.00		
29	Water Tank Testing upto 500 l		IS 12701	IS 12701		1 Tank with cover	20 days
	i	Dimension			1500.00		
	ii	Weight			500.00		
	iii	Tensile Strength	IS:8543(Sec -I)		1000.00		
	iv	Resistance to Deformation			750.00		
	v	Resistance to Impact			300.00		
	vi	Density	IS:7828		500.00		
	vii	Black Carbon Dispersion			1000.00		
	viii	Flexural Strength	IS:13360		1000.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required		Duration
	ix	Visual Test			500.00			
	x	Top Load Resistance			750.00			
	xi	Portability Test			300.00			
	xii	*Capacity			300.00			
	xiii	Capacity above than 500 liters			1/litre			
30	Building Bricks (Common Burnt Clay)		IS:3495	IS: 1077		20 Nos.		10 days
	i	Dimension			200 Each			
	ii	Compressive Strength	(P-I)		1500.00			
	iii	Water Absorption	(P-II)		500.00			
	iv	Efflorescence	(P-III)		500.00			
31	Fly Ash / Ash Lime Bricks		IS:3495	IS: 13757/ IS: 12894		20 Nos.		10 days
	i	Dimension			200 Each			
	ii	Compressive Strength	(P-I)		1500.00			
	iii	Water Absorption	(P-II)		500.00			
	iv	Efflorescence	(P-III)		500.00			
32	Sewer Bricks (Burnt Clay)		IS:3495	IS: 4885		20 Nos.		10 days
	i	Dimension			200 Each			
	ii	Compressive Strength	(P-I)		1500.00			
	iii	Water Absorption	(P-II)		500.00			
	iv	Efflorescence	(P-III)		500.00			
33	Concrete Masonry Unit			IS 2185 (Pt-1 & 2)		24 Nos.		20 days
	i	Dimension			200 Each			
	ii	Block Density			500.00			
	iii	Compressive Strength			2000.00			
	iv	Water Absorption			500.00			
	v	Drying Shrinkage			1500.00			
34	Concrete Masonry Unit (AAC Block)			IS 2185 (Pt-3)		24 Nos.		20 days
	i	Dimension			200 Each			
	ii	Block Density	IS 6441-1		500.00			
	iii	Compressive Strength	IS 6441-5		3000.00			
	iv	Thermal Conductivity	IS 3346		1000.00			
	v	Drying Shrinkage	IS 3346		1000.00			
35	Paver Blocks		IS 15658	IS 15658		24 Nos		15 days
	i	Compressive Strength (1 set with 8 nos sample)			2000.00			
	ii	Water Absorption			200 Each			
	iii	Dimension (WxLxT)			500.00			
		C&D BLOCK						
	i	Compressive Strength (1 set with 8 nos sample)	IS 2185 P-1-2005	IS 2185 P-1-2005	2500.00	8 NOS	10 days	

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
36	Ceramic or Vitrified Tiles		IS:13630	IS: 15622			
	i	Dimension			200 Each		
	ii	Water Absorption			500.00		
	iii	Modulus of Rapture			750.00		
	iv	Breaking Strength			500.00		
	v	Scratch Hardness (Moh's Scale)			500.00		
	vi	Chemical Resistance			1000.00		
	vii	Crazing Resistance			750.00	(0.04 m²)	15 days
	viii	Resistance to Thermal Shock			750.00		
	ix	Straightness of Sides			300.00		
	x	Rectangularity			300.00		
	xi	Surface Flatness			300.00		
	xii	Resistance to Staining for glazed Tiles			300.00		
	xiii	Resistance to Alkalis			500.00		
	xiv	Resistance to Acid			500.00		
37	GSB (Granular Sub Base) / WMM / WBM					50 Kg	15 days
	i	Gradation	IS: 2386 (P- 1)	MORTH	1000.00		
	ii	Impact Value	IS: 2386 (P- 4)		500.00		
	iii	Water Absorption	IS: 2386 (P- 2)		500.00		
	iv	Liquid Limit	IS: 2720 (P- 5)		750.00		
	v	Plastic Limit	IS: 2720 (P- 5)		750.00		
	vi	Combined Flakiness & Elongation Index	IS: 2386 (P- 4)		500.00		
	vii	Maximum Dry Density	IS: 2720 (P- 8)		2000.00		
	viii	Optimum Moisture Content	IS: 2720 (P- 8)				
	ix	CBR	IS: 2720 (P- 16)		5000.00		
38	Fine Aggregate, Coarse Sand		IS: 2386	IS:383		50 kg	15 days
	i	Sieve Analysis			1000.00		
	ii	Specific Gravity			500.00		
	iii	Bulk Density			500.00		
	iv	Silt Content			500.00		
	v	Bulking of Sand			500.00		
	vi	Water Absorption			500.00		
	vii	Soundness			500.00		
	viii	Organic Impurities			1000.00		
		Coarse Aggregate		IS: 2386	IS:383		
39	i	Sieve Analysis			1000.00		
	ii	Specific Gravity			500.00		
	iii	Bulk Density			500.00		
	iv	Water Absorption			500.00		
	v	Crushing Value			750.00		
	vi	10% Fine Value			500.00		
	vii	Combined Flakiness & Elongation Index			500.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	viii	Total Deleterious Material			1000.00		
	ix	Soundness			500.00		
	x	Impact Value			500.00		
	xi	Abrasion Value			1500.00		
	xii	Organic Impurities			1000.00		
	Xiii	Stripping Value			1000.00		
	40	Admixture - Uniformity test		IS 9103	IS 9103		
i		Dry Material Content			1500.00		
ii		Ash Content			1000.00		
iii		pH			500.00		
iv		Relative Density			500.00		
v		Chloride Ion			1000.00		
41		Water Proofing Compound					1 liter/ 2 kg and 5 kg Cement
	i	Setting time	IS: 4031	IS:2645-2003	1000.00		
	ii	Compressive Strength 3, 7 days			2000.00		
	iii	Chloride Content			1000.00		
42	Bituminous Concrete / Bituminous Macadam /			(MORTH)		5 kg	2 weeks
	i	Bitumen Content % by mass			3000.00		
	ii	Aggregate Size (Sieve Analysis)			1000.00		
43	Construction Water		IS 3025	IS: 456		2 liter	7 days
	i	0.02 N NaOH required to neutralize 100 ml			300.00		
	ii	0.02 N H ₂ SO ₄ required to neutralize 100 ml			300.00		
	iii	Sulphate (asSO ₃)			300.00		
	iv	Chloride (as cl)			300.00		
	v	Organic solids			300.00		
	vi	Inorganic solids			300.00		
	vii	Suspended matters			300.00		
	viii	pH			300.00		
44	Mix Design of Concrete						
	i	OPC/ PPC Cement upto M45 Grade		IS 10262	20000.00	Coarse Aggregate: 150 kg Fine Aggregate: 150 kg Cement: 100 kg	40 days
	ii	OPC/ PPC Cement with Fly Ash upto M45 Grade		IS 10262	23000.00	as (i) above and Fly Ash: 100 kg	40 days
45	Cement Mortar - Chemical Composition (Ratio test)		IS:1199		3000.00	10 kg	10 days
	UV Stabilized Fiber Glass Reinforced Plastic Sheet						
	i	Thickness	----	IS:12866	300.00	1 × 1 m	2 weeks
	ii	Density	IS:12866	IS:12866	500.00		
	iii	Glass Content			1000.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
46	iv	Water Absorption			500.00	1 x 1 m	2 weeks
	v	Bolt Shear Test			750.00		
	vi	Load Deflection test			500.00		
	vii	Tensile Strength	IS:1998	IS:10192	1000.00		
	viii	Cross Breaking Strength			1000.00		
47	Gypsum Building Plaster						
	i	SO ₃ by mass	IS:2542	IS:2547 (Pt.-I)	500.00	10 kg	15 days
	ii	CaO ₃ percent by mass			500.00		
	iii	MgO %			500.00		
	iv	Na ₂ O %			500.00		
	v	Loss on Ignition			500.00		
	vi	Setting time			1000.00		
	vii	Transverse strength			500.00		
	viii	Soundness			500.00		
	ix	Residue on 1.8mm			1000.00		
48	APP (Atactic Polypropylene Polymer) Water						
	i	Thickness of Membrane		CPWD Vol. II	300.00	1 x 1 m	15 days
	ii	Weight of Membrane			300.00		
	iii	Tensile Strength (Longitudinal / Crosswise)			1000.00		
	iv	Softening Point			500.00		
	v	Cold Flexibility			500.00		
PIPE							
49	RCC Hume Pipe/ SW Pipe		IS: 458	IS: 458		1 No. Full Size	10 Days
	i	Dimension			200 Each		
	ii	Water Absorption - 10 minute			500.00		
	iii	Water Absorption - 24 hours			500.00		
	iv	Reinforcement - HD/ MS Wire	IS:1608	IS:458, IS:432 (I&II), 280			
		(a) Yield Stress/ Proof Stress			500.00		
		(b) Tensile Strength			1000.00		
		(c) Elongation			300.00		
		(d) Bend Test	IS:1599		500.00		
	v	Chemical Analysis of HD/ MS Wire	IS:228		750.00		
	HDPE/ LDPE/ UPVC Pipe			IS: 4984, 4985			
50	i	Dimension			200 Each	1 No. Full Size	10 days
	ii	Density	IS:7328		750.00		
	iii	Reversion Test	IS:4984		500.00		
	iv	Resistant to External Blow			300.00		
	v	Sulphate Ash Content			1000.00		
	vi	Visual Test			200.00		
	PVC Conduct Pipe		IS 9537-1	IS 9537-3			
	i	Dimension (Dia & Thickness)			200 Each		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
51	ii	Bend Test			500.00	2 No. Full Size	10 Days
	iii	Compressive Test			750.00		
	iv	Impact Test			500.00		
	v	Resistance to Heat			500.00		
	iv	Resistance to Burning			500.00		
52	CPVC Pipe			IS: 15778		1 No. Full Size	10 days
	i	Dimension (φxTx Ovality)			200 Each		
	ii	Density	IS:7328		750.00		
	iii	Reversion Test	IS:4984		500.00		
	iv	Resistant to External Blow			500.00		
	v	Flattening test			500.00		
	vi	Visual Test			200.00		
53	M. S. Conduit Pipe		IS 9537-1	IS 9537-2		2 No. Full Size	10 Days
	i	Dimension (Dia & Thickness)			200 Each		
	ii	Bend Test			750.00		
	iii	Compressive Test			750.00		
54	M. S. Pipe/ G. I. Pipe			IS: 1239, IS:4736		1 No. Full Size	10 Days
	i	Dimension			200 Each		
		(a) Bore			200.00		
		(b) Outside Diameter			200.00		
		(d) Thickness			200.00		
	ii	Weight per meter			300.00		
	iii	Flattening test			500.00		
	iv	Tensile Strength	IS:1608		1000.00		
	v	Elongation	IS:1608		300.00		
	vi	Bend Test	IS:2329		500.00		
	vii	Chemical Analysis (C,Mn,S & P)	IS:228	IS: 1239	750.00		
	viii	Zinc Coating	IS:6745	IS:4736	1000.00		
55	S. S. Pipe		IS:1608	IS: 6911		1 No. Full Size	10 Days
	i	Dimension			250.00		
	ii	Tensile Strength			1000.00		
	iii	Elongation			300.00		
	iv	Proof Stress			500.00		
	v	Chemical Analysis	IS:228		1500.00		
	vi	Hardness	IS:1586		250.00		
56	C. I. Pipe			IS: 3989, 1536		1 No. Full Size	10 Days
	i	Dimension			200 Each		
	ii	Mass			500.00		
	iii	Hammer Test	IS:1536		300.00		
	iv	Ring Test and Tensile Test	IS:1608		1000.00		
STEEL WIRE FOR SPRINGS							
		Mechanical Properties		IS: 4454 (P-1)			
		(a) Tensile Strength	IS:1608		1000.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
57	i	(b) Wrapping Test	IS:1755		500.00	2 m x 2	10 days
		(c) Torsion			500.00		
		(d) Bend Test	IS:1599		500.00		
	ii	Chemical Properties	IS:228		1000.00		
POLYMER/ RUBBER							
58	i	Density/ Specific Gravity	IS:3400	IS: 3400	500.00	50 gm	10 days
	ii	Flexural Modulus		IS: 13360	750.00	300x300 mm	
	iii	Flexural Strength		ASTM D790	750.00	100x100 mm	
	iv	Hardness (Shore A/ Shore D)		IS: 13360	250.00	Button	
	v	Tensile Strength and Elongation	IS:13360	IS: 3400, 13360	2500.00	150x150 mm	
	vi	Visual Test			200.00	Full Size 1 sample	
	vii	Professional Service (on-Site)			5000.00	Per Day	
SOIL TESTING							
59	i	Maximum Dry Density / Optimum Moisture Content	IS: 2720-7&8		2000.00	15Kg	18 days
	ii	Plastic Limit	IS: 2720-5		1000.00	5Kg	18 days
	iii	Liquid Limit	IS: 2720-5		1000.00		18 days
	iv	Sieve Analysis	IS: 2720-4		1000.00	5Kg	18 days
	v	Sedimentation Method			1000.00		18 days
	vii	CBR	IS: 2720-16		7500.00	15kg	18 days
	viii	Free Swelling Index	IS: 2720-40		500.00	5Kg	18 days
	ix	Direct Shear Test (C & Value)	IS: 2720-13		15000.00	15Kg	18 days
	x	Classification of Soil	IS-1498		2000.00		18 days
BITUMEN TESTING							
60	i	Bitumen Content	IS 5317	IS 73	3000.00	5kg	15 days
	ii	Penetration	IS 1203		750.00		
	iii	Penetration Ratio	IS 1203		750.00		
	iv	Specific Gravity	IS 1202		750.00		
	v	Softening Point	IS 1205		750.00		
	vi	Ductility	IS 1208		750.00		
	vii	Bitumen Emulsion	IS 8887		5000.00		
	vii	Absolute Viscosity at 60°C	IS 1208		1000.00		
	viii	Kinematic Viscosity at 135°C	IS 1206		1000.00		
	ix	Flash Point	IS 1206		750.00		
	x	Solubility in Trichloroethylene Test	IS 1216		1500.00		
	xi	Viscosity Ratio	IS 1208		1500.00		
TEXTILE							
61	i	Synthetic Blood Penetration Test	ISO 16603	----	2500.00	1 Pc.	15 days
	ii	Thickness Test	ISO 5084		300.00		
	iii	GSM	IS 1964 & ISO 3801		500.00		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	iv	Tensile Strength (Avg. of Five Specimens)	IS 1969 & ISO 13934-1		1000.00		
	v	Elongation Strength			300.00		
STEEL							
62	i	Impact Test	IS 1757		1000.00	1 Pc.	7 days

Contact Details:- Material Testing Laboratory, NSIC Technical Services Centre, Near NTPC Gas Power Plant, Neemka, Faridabad-121004, Haryana

Telephone: 0129-2401102 , **Mobile:** 9871212692 **Email:** ntsneemka@nsic.co.in

GENERAL TERMS & CONDITIONS:

1	The sample quantity required are approximate.
2	The duration is working days of the Centre and is indicative.
3	Sample(s) are not drawn by us and description of sample is as provided by the customer.
4	The testing charges inclusive of GST will be paid in advance by means of CBS Cheque/ DD/ NEFT/ RTGS in favour of The National Small Industries Corporation Ltd., A/c No.-50200074941928, IFSC Code: HDFC0004223, Tigaon, Faridabad-121101 - HDFC0004223, Bank - HDFC Bank, Branch - Tigaon Main Road, Tigaon, Faridabad - 121101, GSTIN No.06AAACT0686N1Z0 , CIN No.- U74140DL1955GOI002481. No cash is acceptable under any circumstances.
5	The testing charges mentioned above are exclusive of GST and are to be paid in advance with sample by customer on all working days, Monday through Friday, between 09:30 hrs to 17:00 hrs at Material Testing Laboratory of the Centre. GST to be charged extra as applicable.
6	Sample(s) for test will not be accepted without submission of testing charges. Copy of payment, acknowledgement receipt, shall be submitted to Laboratory for respective sample(s) to be tested.
7	Sample submitted will not be returned, if the sample having processed with destruction/ destructive test.
8	Duplicate Test Certificate will be provided against proper request, at the cost of Rs. 590/-.
9	The postal charges will be extra, if the Report will be sent by post.
10	On express testing within 48 hour, wherever applicable, the charges will be doubled.
11	The similar test parameter(s) would be charged same for relatively same product/ material.
12	If the test desired are not listed above, and could be done at lab; then the testing charge(s) would be charged after approval of Competent Authority.
13	The rate may be revised at any time without prior intimation in purview of standard(s) and laboratory facility(ies).
14	Officer on-site visit charge Rs. 5000.00 + GST@18% for a day. Customer shall arrange the suitable conveyance, boarding and lodging facility at their own cost.
15	Sample preparation for normal material@ Rs. 354.00 & for heavy material @ Rs. 590/- shall be charged extra which is inclusive of GST