



# 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

SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
<b>CHEMICAL ANALYSIS OF METAL</b>							
1	Single Element (Purity)	-	-	250.00	1 sample	10 days	
<b>Ferrous Material (upto 5 Elements)</b>							
2	i	Manganese Steel	IS:228	IS:1870	500.00	1 sample	10 days
		C, Mn, Si, S, P			500.00		10 days
	ii	Plain Carbon Steel/ Cast iron/ Pig Iron	IS:228	IS:1870	500.00	1 sample	10 days
		C, Mn, Si, S, P			500.00		10 days
	iii	Alloy Steel/ Alloy Cast Iron (more than 5	IS:228	IS:1870	500.00	1 sample	10 days
		Cr, Ni, Mo, V, W			500.00		10 days
	iv	Alloying Elements (more than 5 elements)	IS:228	IS:1870	500.00	1 sample	10 days
		Cr, Ni, Mo, V, W			500.00		10 days
	v	Main Element Only	IS:228	IS:1870	500.00	1 sample	10 days
	vi	Ferrous Material (more than 5 Elements)	IS:228	IS:1870	750.00	1 sample	10 days
vii	Chemical Analysis By Spectrometer (Iron Base Fe)	IS: 8811	-	500.00	1 sample	5 days	
viii	Chemical Analysis By Spectrometer (Copper Base Cu))	BSEN: 15079	-	500.00	1 sample	5 days	
ix	Chemical Analysis By Spectrometer (Aluminum Base Al)	ASTM E :1251	-	500.00	1 sample	5 days	
<b>Ferro Alloys upto 5 Elements</b>							
3	i	Main Element Only	IS:228	IS:1870	500.00	1 sample	10 days
<b>Non-Ferrous Material</b>							
4	i	Copper Base	IS:3685	IS:1264, 318, 319	500.00	1 sample	10 days
	ii	Tin Base	IS:27	IS:26	500.00	1 sample	10 days
	iii	Lead Base	IS:1409	IS:27	500.00	1 sample	10 days
	iv	Aluminium Base	IS:504	IS:1285, 733, 737	500.00	1 sample	10 days
<b>MECHANICAL TESTS (DESTRUCTIVE)</b>							
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		300.00	1 m	10 days
	iii	Modulus of Elasticity			300.00	1 m	10 days
	iv	Machining Charges - Small Job Work			300.00		3 days
	v	Machining Charges - Heavy Job Work			300.00		3 days
vi	Freedom from Defect			300.00	Sample	3 days	
<b>Load Test</b>							



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B	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		300.00		10 days	
	iii	Bend Test	IS: 1599		300.00	0.5 m	10 days
	iv	Rebend Test	IS: 1599		300.00	0.5 m	10 days
	v	Reverse Bend Test	IS: 1599		300.00	0.5 m	10 days
	vi	Face bend Test	IS: 1599		300.00	0.5 m	10 days
	vii	Root Bend Test	IS: 1599		300.00	0.5 m	10 days
	viii	Transverse Test			300.00	0.5 m	10 days
	ix	Flattening	IS:2328		300.00	0.5 m	10 days
	x	Wrapping	IS:1755	IS:280	300.00	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	
<b>Measurement of Plating Thickness</b>							
5	i	Anodic Coating (Al)	IS:5523	IS:1868	500.00	1 sample	10 days
	ii	Mass of Zinc Coating determination	IS:6745	IS:4736	500.00	1 sample	10 days
	iii	Uniformity of Zinc Coating Test (Dip Test)	IS:2629	IS:4736	500.00	1 sample	10 days
	iv	Hard Chrome Plating	IS:3203	IS:1068	500.00	1 sample	10 days
	v	Nickel Chrome Plating	IS:3203	IS:1068	750.00	1 sample	10 days
	vi	Powder Coating	IS:101	IS:13871	750.00	1 sample	10 days
<b>Cold Reduced Low Carbon Steel</b>							
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	300.00	1 sample	10 days
	iv	Chemical Analysis (C,Mn,S,P)	IS:228	IS: 280	500.00	1 sample	10 days
<b>BUILDING MATERIAL TESTING</b>							
<b>Wooden Flush Door Shutters (Solid Core Type) / (a) Particle Board and Hardboard Face Panels (b) Plywood face panel</b>							
i	Dimension Test				500.00		
	(a) Height		IS: 4020	IS: 2202			
	(b) Width		IS: 4020	IS: 2202			
	(c) Thickness		IS: 4020	IS: 2202			
ii	Squareness Test		IS: 4020	IS: 2202	300.00		



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S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration				
1	iii	General Flatness Test	IS: 4020	IS: 2202	300.00	Full Door	30 days			
	iv	Impact Indentation Test	IS: 4020	IS: 2202	500.00					
	v	Flexure Test	IS: 4020	IS: 2202	500.00					
	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	2000.00					
	ix	Glue Adhesion	IS: 4020	IS: 2202	500.00					
	x	Knife Test	IS: 4020	IS: 2202	500.00					
	xi	Screw withdrawal test	IS: 4020	IS: 2202	500.00					
	xii	Slamming test	IS: 4020	IS: 2202	300.00					
	xiii	Buckling test	IS: 4020	IS: 2202	300.00					
	2	<b>Structural Timber/ Wood</b>			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	<b>Block Board</b>					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	<b>Wood Particle Board</b>		IS: 2380	IS: 3087		Full Board	15 days			
	i	Dimension						500.00		
		(a) Height								
		(b) Width								
		(c)Thickness								
ii	Water Absorption				500.00					
iii	Swelling Test				300.00					
iv	Modulus of Rapture				750.00					



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S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
5	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			
	<b>Pre-laminated Particle Board</b>		IS: 2380	IS: 12823		Full Board	15 days
	i	Dimension			500.00		
		(a) Height					
		(b) Width					
		(c) Thickness					
	ii	Water Absorption		500.00			
	iii	Swelling Test		300.00			
	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				
5	xi	Resistance to Crack		300.00			
	xii	Resistance to Stain		500.00			
	xiii	Resistance to Cigarette Burn		300.00			
6	<b>Medium Density Fiber Board</b>		IS:2380	IS: 12406		Full Board	15 days
	i	Dimension			500.00		
		(a) Size					
		(b) Thickness					
	ii	Water Absorption		500.00			
	iii	Swelling Test		300.00			
	iv	Modulus of Rapture		750.00			
	v	Tensile Strength		1000.00			
vi	Screw withdrawal test		500.00				
vii	Density		500.00				



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S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
	viii	Modulus of Elasticity		750.00			
7	<b>General Purpose Plywood</b>		IS:1734	IS:303		Full Board	30 days
	i	Dimension			500.00		
		(a) Size					
		(b) Thickness					
	ii	Glue Adhesion					
		(a) Glue Shear Strength (Dry State)			500.00		
		(b) Mycological Test			500.00		
		(c) Water Resistance Test			1000.00		
	iii	Moisture content			500.00		
	iv	Modulus of Rapture			750.00		
v	Modulus of Elasticity			750.00			
8	<b>Glass Fiber Reinforced Plastic (GRP)</b>					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	300.00		
	iv	Elastic modulus	IS: 14856	IS: 14856	750.00		
	v	Water Absorption	IS: 14856	IS: 14856	500.00		
9	<b>Shuttering Plywood</b>		IS:1734	IS: 4990		Full Board	30 days
	i	Dimension			500.00		
		(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			
	<b>Marine Plywood</b>		IS:1734	IS: 710			
	i	Dimension			500.00		
		(a) Size					
		(b) Thickness					
	Glue Adhesion						



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10	ii	(a) Glue Shear Strength	(P-4)	500.00	Full Board	30 days	
		(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-1)	500.00			
	vii	Mycological Test	(P-7)	500.00			
	viii	Water Resistance	(P-5)	1000.00			
11	<b>Fire Retardant Plywood</b>		IS:1734	IS: 5509	Full Board	30 days	
	i	Dimension					
		(a) Size					
		(b) Thickness					500.00
	ii	Glue Adhesion					500.00
	iii	Modulus of Rapture					750.00
	iv	Modulus of Elasticity					750.00
	v	Glue Shear Strength					500.00
vi	Rate of Burning			2500.00			
vii	Moisture content			500.00			
12	<b>Decorative Thermosetting Synthetic Resin Bonded Laminated Sheet (IS:2046-1995)</b>				Full Board	30 days	
	i	Resistance to Immersion boiling water		1000.00			
	ii	Resistance to cracking		500.00			
	iii	Resistance to staining		300.00			
	iv	Resistance to steam		500.00			
13	<b>High Strength Deformed Steel Bars and Wires</b>			IS: 1786	2 m	10 days	
	i	Tensile Strength	IS:1608	1000.00			
	ii	Proof Stress/ Yield Stress	IS:1608	300.00			
	iii	Elongation Percentage	IS:1608	300.00			
	iv	Bend	IS:1599	300.00			
	v	Rebend	IS:1599	300.00			
	vi	Weight per meter		300.00			
	vii	Chemical Analysis - C, S, P	IS:228	500.00			
14	<b>Reinforcement Couplers for Mechanical Splices of Bars (IS 16172)</b>				1 m x 1		



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15	i	Tensile Strength	IS:1608	1000.00	1 m x 1	10 days
	<b>Uncoated Stress Relieved Low Relaxation Seven Ply Strand (IS 14268)</b>					10 days
	i	Breaking Strength	IS:1608	1000.00	1 m x 1	10 days
	ii	Proof Load	IS:1608	300.00		10 days
	iii	Elongation Percentage	IS:1608	300.00		10 days
	iv	Weight	IS:1599	300.00		10 days
v	Chemical Analysis - C, S, P	IS:228	500.00	10 days		
16	<b>Galvanised Strand for Earthing</b>		IS 12776		1 m x 1	10 days
	i	Breaking Strength	IS:1608	1000.00		10 days
	ii	Elongation Percentage	IS:1608	300.00		10 days
	iii	Mass	IS:1608	300.00		10 days
	iv	Wrapping	IS:1599	500.00		10 days
	v	Zinc Coating		500.00		10 days
17	<b>Hot Rolled Medium and High Tensile Structural Steel (IS 2062)</b>				1 m x 3	14 days
	i	Tensile Strength	IS 1608	1000.00		
	ii	Yield Stress	IS 1608	300.00		
	iii	Elongation Percentage	IS 1608	300.00		
	iv	Bend	IS 1599	300.00		
	v	Dimension		500.00		
18	<b>Lime Stone (Slabs and Tiles)</b>		IS 1128		FS x 1 No	10 days
	i	Water Absorption	IS 1124	300		
	ii	Transverse Strength	IS 1121	1000	(200x50x50)x3 No	
	iii	Durability test	IS 1126	7500	φ50 x 3 Nos	
19	<b>Sand Stone/ Kota Stone (Slabs and Tiles)</b>		IS 3622		FS x 1 No	10 days
	i	Water Absorption	IS 1124	300		
	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	
20	<b>Structural Granite</b>		IS 3316		FS x 1 No	10 days
	i	Water Absorption	IS 1124	300		
	ii	Specific Gravity	IS: 1124	500	FS x 1 No	



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C	iii	Compression Strength	IS: 1121-1	1000	(50x50)x3 No	10 days		
	21	<b>Natural Building Stones</b>		IS 1123	FS x 1 No			
	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	<b>Marble (Slabs, Blocks and Tiles)</b>	IS:1124	IS:1130	Full Slab		10 days	
	i	Moisture Absorption	IS: 1121-1	300				
	ii	Specific Gravity	IS: 1122	500				
	iii	Hardness (Moh's Scale)		500				
	23	<b>Kerb Stone</b>	IS: 1578	IS:5758				
		i	Dimension		300			
ii		Water Absorption		300				
iii		Compressive Strength		1400				
iv		Transverse Strength		500				
24	<b>Cement Analysis OPC/ PPC</b>	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 <sub>2</sub> )/(2.8SiO <sub>2</sub> +1.2Al <sub>2</sub> O <sub>3</sub> +0.65Fe <sub>2</sub> O <sub>3</sub> )					500.00	
		(b) Ratio: Alumina to Iron Oxide					300.00	
		(c) SO <sub>3</sub> by mass					300.00	
		(d) IR by mass					300.00	
		(e) MgO by mass					300.00	
		(f) Loss on Ignition					300.00	
	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			1400.00	
		(c) Consistency	IS: 4031	IS:8112			300.00	
		(d) Soundness (Le Chatelier Method)	IS: 4031	IS:8112			300.00	
(f) Fineness (Sieve Method)		IS:4031	IS:8112	300.00				
25	<b>Manhole Cover</b>	IS:12592	IS:12592					





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	i	Dimensions		2000.00	1 No.	5 days
	ii	Load Test		2000.00		
26	<b>Precast Concrete Cable Covers</b>		IS 5820	IS 5820		10 days
	i	Breaking Load/ Transverse Strength		1000.00	1 Nos.	
	ii	Impact Strength		1000.00	1 Nos	
27	<b>Concrete Cube</b>				3 cubes	5 days
	i	Compressive Strength(1 set with 3 nos sample))	IS:516	IS: 456		
28	<b>Concrete Core</b>				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		
29	<b>Water Tank Testing upto 500 l</b>		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		
	ix	Visual Test		500.00		
	x	Top Load Resistance		750.00		
	xi	Portability Test		300.00		
	xii	*Capacity		300.00		
*	Capacity above than 500 liters		1/litre			
30	<b>Building Bricks (Common Burnt Clay)</b>		IS:3495	IS: 1077	20 Nos.	10 days
	i	Dimension		300.00		
	ii	Compressive Strength	(P-I)	1400.00		
	iii	Water Absorption	(P-II)	300.00		
	iv	Efflorescence	(P-III)	300.00		
31	<b>Fly Ash / Ash Lime Bricks</b>		IS:3495	IS: 13757/ IS: 12894		
	i	Dimension		300.00		
	ii	Compressive Strength	(P-I)	1400.00		



# 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

SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration
	iii	Water Absorption	(P-II)	300.00	20 Nos.	10 days
	iv	Efflorescence	(P-III)	300.00		
32	<b>Sewer Bricks (Burnt Clay)</b>		IS:3495	IS: 4885	20 Nos.	10 days
	i	Dimension		300.00		
	ii	Compressive Strength	(P-I)	1400.00		
	iii	Water Absorption	(P-II)	300.00		
	iv	Efflorescence	(P-III)	300.00		
33	<b>Concrete Masonary Unit</b>			IS 2185 (Pt-1 & 2)	24 Nos.	20 days
	i	Dimension		300.00		
	ii	Block Density		500.00		
	iii	Compressive Strength		1400.00		
	iv	Water Absorption		300.00		
	v	Drying Shrinkage		1500.00		
34	<b>Concrete Masonary Unit (AAC Block)</b>			IS 2185 (Pt-3)	24 Nos.	20 days
	i	Dimension		300.00		
	ii	Block Density	IS 6441-1	500.00		
	iii	Compressive Strength	IS 6441-5	2000.00		
	iv	Thermal Conductivity	IS 3346	1000.00		
	v	Drying Shrinkage	IS 3346	500.00		
35	<b>Paver Blocks</b>		IS 15658	IS 15658	24 Nos	15 days
	i	Compressive Strength (1 set with 8 nos sample)		1400.00		
	ii	Water Absorption		300.00		
	iii	Dimension (WxLxT)		300.00		
	iv	C&D BLOCK				
	v	Compressive Strength (1 set with 8 nos sample)	IS 2185 P-1-2005	IS 2185 P-1-2005	2500.00	8 NOS
36	<b>Ceramic or Vitrified Tiles</b>		IS:13630	IS: 15622	25 Nos	
	i	Dimension		300.00		
	ii	Water Absorption		300.00		
	iii	Modulus of Rapture		750.00		
	iv	Breaking Strength		500.00		
	v	Scratch Hardness (Moh's Scale)		500.00		
	vi	Chemical Resistance		1000.00		



# रा०ल०उ०न० तकनीकी सेवा केंद्र NSIC TECHNICAL SERVICES CENTRE

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SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration
	vii	Crazing Resistance		750.00	25 Nos. (0.04 m <sup>2</sup> )	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	<b>Fine Aggregate, Coarse Sand</b>		IS: 2386	IS:383	50 kg	15 days
	i	Sieve Analysis		750.00		
	ii	Specific Gravity		500.00		
	iii	Bulk Density		500.00		
	iv	Silt Content		500.00		
	v	Bulking of Sand		500.00		
	vi	Water Absorption		300.00		
	vii	Soundness		300.00		
viii	Organic Impurities		500.00			
38	<b>Coarse Aggregate</b>		IS: 2386	IS:383	50 kg	15 days
	i	Sieve Analysis		750.00		
	ii	Specific Gravity		500.00		
	iii	Bulk Density		500.00		
	iv	Water Absorption		300.00		
	v	Crushing Value		500.00		
	vi	10% Fine Value		500.00		
	vii	Combined Flakiness & Elongation Index		500.00		
	viii	Total Deleterious Material		1000.00		
	ix	Soundness		300.00		
	x	Impact Value		300.00		
	xi	Abration Value		500.00		
	xii	Organic Impurities		500.00		
Xiii	Stripping Value		1000.00			
39	<b>Admixture - Uniformity test</b>		IS 9103	IS 9103		



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SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
	i	Dry Material Content		1400.00	1 liter	7 days	
	ii	Ash Content		1000.00			
	iii	pH		300.00			
	iv	Relative Density		500.00			
	v	Chloride Ion		1000.00			
40	<b>Water Proofing Compound</b>				1 liter/ 2 kg and 5 kg Cement	15 days	
	i	Setting time	IS: 4031	IS:2645-2003			1000.00
	ii	Compressive Strength 3, 7 days					1400.00
	iii	Chloride Content					1000.00
41	<b>Bituminous Concrete / Bituminous Macadam / Mastic</b>			(MORTH)	5 kg	2 weeks	
	i	Bitumen Content % by mass					1400.00
	ii	Aggregate Size (Sieve Analysis)					750.00
42	<b>Construction Water</b>		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 <sub>2</sub> SO <sub>4</sub> required to neutralize 100 ml					300.00
	iii	Sulphate (asSO <sub>3</sub> )					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
1	<b>Mix Design of Concrete</b>						
	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
2	<b>Cement Mortar - Chemical Composition (Ratio test)</b>		IS:1199		2000.00	10 kg	10 days
3	<b>UV Stabilized Fiber Glass Reinforced Plastic Sheet</b>						
	i	Thickness	----	IS:12866	500.00	1 x 1 m	2 weeks
	ii	Density	IS:12866	IS:12866	500.00		
	iii	Glass Content			1000.00		
	iv	Water Absorption			300.00		
	v	Bolt Shear Test			500.00		
	vi	Load Deflection test			500.00		



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SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
4	vii	Tensile Strength	IS:1998	IS:10192	1000.00	10 kg	15 days
	viii	Cross Breaking Strength			1000.00		
	<b>Gypsum Building Plaster</b>						
	i	SO <sub>3</sub> by mass	IS:2542	IS:2547 (Pt.-I)	500.00		
	ii	CaO <sub>3</sub> percent by mass			500.00		
	iii	MgO %			500.00		
	iv	Na <sub>2</sub> O %			500.00		
	v	Loss on Ignition			500.00		
	vi	Setting time			500.00		
	vii	Transverse strength			500.00		
5	<b>APP (Atactic Polypropylene Polymer) Water Proofing Membrane</b>					1 x 1 m	15 days
	i	Thickness of Membrane		CPWD Vol. II	300.00		
	ii	Weight of Membrane			300.00		
	iii	Tensile Strength (Longitudinal / Crosswise)			1000.00		
	iv	Softening Point			300.00		
	v	Cold Flexibility			300.00		
<b>PIPE</b>							
1	<b>RCC Hume Pipe/ SW Pipe</b>		IS: 458	IS: 458		1 No. Full Size	10 Days
	i	Dimension			500.00		
	ii	Water Absorption - 10 minute			300.00		
	iii	Water Absorption - 24 hours			300.00		
	iv	Reinforcement - HD/ MS Wire	IS:1608	IS:458, IS:432 (I&II), 280			
		(a) Yield Stress/ Proof Stress			300.00		
		(b) Tensile Strength			1000.00		
		(c) Elongation			300.00		
		(d) Bend Test	IS:1599		300.00		
	v	Chemical Analysis of HD/ MS Wire	IS:228		750.00		
<b>HDPE/ LDPE/ UPVC Pipe</b>			IS: 4984, 4985				
i	Dimension			300.00			
ii	Density	IS:7328		500.00			



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SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration		
D	2	iii	Reversion Test	IS:4984	500.00	1 No. Full Size	10 days	
		iv	Resistant to External Blow		300.00			
		v	Sulphate Ash Content		500.00			
		vi	Visual Test		200.00			
	3	<b>PVC Conduct Pipe</b>		IS 9537-1	IS 9537-3		2 No. Full Size	10 Days
		i	Dimension (Dia & Thickness)			300.00		
		ii	Bend Test			300.00		
		iii	Compressive Test			500.00		
		iv	Impact Test			300.00		
		v	Resistance to Heat			300.00		
		iv	Resistance to Burning			300.00		
	4	<b>CPVC Pipe</b>			IS: 15778		1 No. Full Size	10 days
		i	Dimension ( $\phi \times T \times$ Ovality)			300.00		
		ii	Density	IS:7328		500.00		
		iii	Reversion Test	IS:4984		500.00		
		iv	Resistant to External Blow			300.00		
		v	Flattening test			300.00		
	5	<b>M. S. Conduit Pipe</b>		IS 9537-1	IS 9537-2		2 No. Full Size	10 Days
		i	Dimension (Dia & Thickness)			300.00		
		ii	Bend Test			300.00		
		iii	Compressive Test			500.00		
	6	<b>M. S. Pipe/ G. I. Pipe</b>			IS: 1239, IS:4736		1 No. Full Size	10 Days
		i	Dimension			500.00		
			(a) Bore					
		(b) Outside Diameter						
		(d) Thickness						
ii		Weight per meter			300.00			
iii		Flattening test			300.00			
iv		Tensile Strength	IS:1608		1000.00			
v	Elongation	IS:1608		300.00				
vi	Bend Test	IS:2329		300.00				



**रा०ल०उ०न० तकनीकी सेवा केंद्र NSIC TECHNICAL SERVICES CENTRE**  
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**सामग्री परीक्षण प्रयोगशाला - MATERIAL TESTING LABORATORY**

**SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024**

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
	vii	Chemical Analysis (C,Mn,S & P)	IS:228	IS: 1239	500.00	1 No. Full Size 10 Days	
	viii	Zinc Coating	IS:6745	IS:4736	500.00		
	<b>S. S. Pipe</b>		IS:1608	IS: 6911			
	i	Dimension			300.00		
	ii	Tensile Strength			1000.00		
	iii	Elongation			300.00		
	iv	Proof Stress			300.00		
	v	Chemical Analysis	IS:228		1000.00		
	vi	Hardness	IS:1586		200.00		
	<b>C. I. Pipe</b>			IS: 3989, 1536			
	i	Dimension			500.00		
	ii	Mass			300.00		
	iii	Hammer Test	IS:1536		300.00		
	iv	Ring Test and Tensile Test	IS:1608		1000.00		
<b>STEEL WIRE FOR SPRINGS</b>							
E	1	Mechanical Properties		IS: 4454 (P-1)		2 m x 2 10 days	
		(a) Tensile Strength	IS:1608		1000.00		
		(b) Wrapping Test	IS:1755		300.00		
		(c) Torsion			500.00		
		(d) Bend Test	IS:1599		300.00		
	ii	Chemical Properties	IS:228		750.00		
<b>POLYMER/ RUBBER</b>							
F	1	i	Density/ Specific Gravity	IS:3400	IS: 3400	300.00	50 gm
		ii	Flexural Modulus		IS: 13360	500.00	300x300 mm
		iii	Flexural Strength		ASTM D790	500.00	100x100 mm
		iv	Hardness (Shore A/ Shore D)		IS: 13360	200.00	Button
		v	Tensile Strength and Elongation	IS:13360	IS: 3400, 13360	2500.00	150x150 mm
G	1	Visual Test			200.00	Full Size 1 sample	
H	1	Professional Service (on-Site)			5000.00	Per Day	
<b>SOIL TESTING</b>							
	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



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S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration	
I	iii	Liquid Limit	IS: 2720-5	1000.00	5kg	18 days	
	iv	Sieve Analysis	IS: 2720-4	750.00	5Kg	18 days	
	v	Sedimentation Method		1000.00		18 days	
	vii	CBR	IS: 2720-16	4500.00	15kg	18 days	
	viii	Free Swelling Index	IS: 2720-40	300.00	5Kg	18 days	
	ix	Direct Shear Test ( C & Value)	IS: 2720-13	5000.00	15Kg	18 days	
	x	Classification of Soil	IS-1498	2000.00		18 days	
<b>BITUMEN TESTING</b>							
J	i	Bitumen Content	IS 5317	1400.00	5kg	15 days	
	ii	Penetration	IS 1203	500.00			
	iii	Penetration Ratio	IS 1203	500.00			
	iv	Specific Gravity	IS 1202	500.00			
	v	Softening Point	IS 1205	500.00			
	vi	Ductility	IS 1208	500.00			
	vii	Bitumen Emulsion	IS 8887	5000.00			
	viii	Absolute Viscosity at 60°C	IS 1208	1000.00			
	ix	Kinematic Viscosity at 135°C	IS 1206	1000.00			
	x	Flash Point	IS 1206	750.00			
	xi	Solubility in Trichloroethylene Test	IS 1216	500.00			
<b>TEXTILE</b>							
K	1	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	300.00			
	iv	Tensile Strength (Avg. of Five Specimens)	IS 1969 & ISO 13934-1	1000.00			
	v	Elongation Strength		300.00			
<b>STEEL</b>							
L	1	I	Impact Test	IS 1757	1000.00	1 Pc.	7 days





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SCHEDULE RATES FOR TESTING EFFECTIVE FROM 01-07-2024

S. No.	Type of Test	Test Method	Standard Specification	Rate per Sample	Quantity Required	Duration
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**Contact Details:-** Material Testing Laboratory, NSIC Technical Services Centre, Near NTPC Gas Power Plant, Neemka, Faridabad-121004,Haryana

**Telephone:** 0129-2401102 , **Mobile:** 9871212692 **Email:** ntscneemka@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 @236.00 shall be charged extra which is inclusive of GST