



**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 05-05-2026

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
<b><u>CHEMICAL ANALYSIS OF METAL</u></b>							
1	Single Element (Purity)	-	-	500.00	1 sample	10 days	
<b><u>Ferrous Material (upto 5 Elements)</u></b>							
2	i	Manganese Steel	IS:228	IS:1870	1000.00	1 sample	10 days
		C, Mn, Si, S, P			1000.00		10 days
	ii	Plain Carbon Steel/ Cast iron/ Pig Iron	IS:228	IS:1870	1000.00	1 sample	10 days
		C, Mn, Si, S, P			1000.00		10 days
	iii	Alloy Steel/ Alloy Cast Iron (more than 5	IS:228	IS:1870	1500.00	1 sample	10 days
		Cr, Ni, Mo, V, W			1500.00		10 days
	iv	Alloying Elements (more than 5 elements)	IS:228	IS:1870	1500.00	1 sample	10 days
		Cr, Ni, Mo, V, W			1500.00		10 days
	v	Main Element Only	IS:228	IS:1870	750.00	1 sample	10 days
vi	Ferrous Material (more than 5 Elements)	IS:228	IS:1870	1500.00	1 sample	10 days	
vii	Chemical Analysis By Spectrometer (Iron Base Fe)	IS: 8811	-	1500.00	1 sample	5 days	
viii	Chemical Analysis By Spectrometer (Copper Base Cu))	BSEN: 15079	-	1500.00	1 sample	5 days	
ix	Chemical Analysis By Spectrometer (Aluminum Base Al)	ASTM E :1251	-	1500.00	1 sample	5 days	
<b><u>Ferro Alloys upto 5 Elements</u></b>							
3	i	Main Element Only	IS:228	IS:1870	1500.00	1 sample	10 days
<b><u>Non-Ferrous Material</u></b>							
4	i	Copper Base	IS:3685	IS:1264, 318, 319	1500.00	1 sample	10 days
	ii	Tin Base	IS:27	IS:26	1500.00	1 sample	10 days
	iii	Lead Base	IS:1409	IS:27	1500.00	1 sample	10 days
	iv	Aluminium Base	IS:504	IS:1285, 733, 737	1500.00	1 sample	10 days
<b><u>MECHANICAL TESTS (DESTRUCTIVE)</u></b>							
1	i	Dimension (each parameter: length, width, height, diameter etc.)		200.00	Full Sample	10 days	
2	i	Tensile Test (Duly ready/ machined test)	IS:1608		1000.00	1 m	10 days
		(Tensile Strength & Breaking Load)	IS:1609		1000.00	1m	10 days
ii	Elongation	IS:1608		500.00	1m	10 days	

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	iii	Yield Stress/ Proof Stress	IS:1608		500.00	1 m	10 days
	iv	Modulus of Elasticity			500.00	1 m	10 days
	v	Freedom from Defect			750.00	Sample	3 days
<b>GI MESH</b>							
3	i	Dimension Test (Each parameter)			200.00	1x1 mtr	07 Days
	ii	Tensile Strength	IS 1608		1000.00		
	iii	Zinc Coating			1000.00		
	iv	Chemical Analysis (Up to 5 Elements)	IS 8811		750.00		
<b>CRCA MS Sheet</b>							
4	i	Thickness			200.00	1x1/2 mtr.	10 Days
	ii	Tensile Strength	IS 1608		1000.00		
	iii	Bend Test	IS 1599		750.00		
	iv	Yield Stress	IS 1608		500.00		
	v	Chemical Composition	IS 8811		1000.00		
	vi	Epoxy Coating			750.00		
	vii	Hardness			500.00		
<b>MS ERW Pipe</b>							
5	i	Chemical Composition	IS 8811		1000.00	1 mtr.	10 Days
	ii	Tensile Strength	IS 1608		1000.00		
	iii	Yield Stress	IS 1608		500.00		
	iv	Elongation	IS 1608		500.00		
	v	Flattening test			500.00		
	vi	Zinc Coating	IS 6745		1000.00		
	vii	Visual Test			500.00		
	viii	Slot Opening			1000.00		
<b>Load Test</b>							
6	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. Complicated and heavy jobs will be charged extra					10 days
	ii				500.00		10 days
	iii	Bend Test	IS: 1599		750.00	0.5 m	10 days
	iv	Reband Test	IS: 1599		750.00	0.5 m	10 days
	v	Reverse Bend Test	IS: 1599		750.00	0.5 m	10 days
	vi	Face bend Test	IS: 1599		750.00	0.5 m	10 days
	vii	Root Bend Test	IS: 1599		750.00	0.5 m	10 days
	viii	Transverse Test			750.00	0.5 m	10 days
	ix	Flattening	IS:2328		750.00	0.5 m	10 days
	x	Wrapping	IS:1755	IS:280	750.00	0.5 m	10 days
xi	Weight per meter	IS:808		300.00	1 m	10 days	
7	i	Dynamometer (Load Verification) 20 T			4000.00	1 unit	05 days

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
<b>Measurement of Plating Thickness</b>							
8	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
<b>Cold Reduced Low Carbon Steel</b>							
9	i	Tensile Strength	IS:1608	IS:513	1000.00	1 sample	10 days
	ii	Elongation%	IS:1609	IS:513	500.00		
	iii	Yield Stress	IS:1608	IS:513	500.00	1 sample	10 days
	iv	Bend Test	IS:1599	IS:513	750.00	1 sample	10 days
	v	Chemical Analysis (C,Mn,S,P)	IS:228	IS: 280	750.00	1 sample	10 days
<b><u>BUILDING MATERIAL TESTING</u></b>							
<b>Wooden Flush Door Shutters (Solid Core Type) / (a) Particle Board and Hardboard Face Panels (b) Plywood face panel</b>							
1	i	Dimension Test (Each parameter)			200.00	Full Door	35 days
	ii	Squareness Test	IS: 4020	IS: 2202	500.00		
	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	3000.00		
	ix	Glue Adhesion	IS: 4020	IS: 2202	750.00		
	x	Knife Test	IS: 4020	IS: 2202	500.00		
	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		
<b>Structural Timber/ Wood</b>							
2				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			
<b>Block Board</b>							
3	i	Resistance to Water	IS:2380	IS:1659	1000.00	Full Board	30 days
	ii	Modulus of Rapture	IS:2380	IS:1659	750.00		

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
	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 (Each Parameter)			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	<b>Pre-laminated Particle Board</b>		IS: 2380	IS: 12823		Full Board	10 days
	i	Dimension (Each Parameter)			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		
	xi	Resistance to Crack			500.00		
	xii	Resistance to Stain			1000.00		
xiii	Resistance to Cigarette Burn			500.00			
6	<b>Medium Density Fiber Board</b>		IS:2380	IS: 12406		Full Board	15 days
	i	Dimension (Each parameter )			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			750.00		
	vii	Density			500.00		
viii	Modulus of Elasticity			750.00			
7	<b>General Purpose Plywood</b>		IS:1734	IS:303		Full Board	30 days
	i	Dimension (Each Parameter)			200.00		
	ii	Glue Adhesion					
	(a) Glue Shear Strength (Dry State)			500.00			

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
	(b) Mycological Test			500.00	Full Board	30 days	
	(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	15 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
<b>CFRP Sheets</b>							
9	i	Tensile Strength			1 mtr.	10 Days	
	ii	Tensile Modulus					1000.00
	iii	Flexural Test					500.00
	iv	Thickness					200.00
	v	Adhesion Test					500.00
	vi	Weight per meter					300.00
<b>CARBON FIBER PRIMER</b>							
10	i	Viscosity	ASTM D :3039		1 Ltr.	10 Days	
	ii	Bond Strength	ASTM D :3039				1000.00
	iii	Gel Time (Operable Time)	ASTM D :3039				300.00
	iv	Drying Time	ASTM D :3039				300.00
	v	Compressive Strength	ASTM D :3039				2000.00
	vi	Appearance / Colour	ASTM D :3039				300.00
<b>CARBON FIBER SATURANT</b>							
11	i	Density	ASTM D :1475		1 Ltr.	10 Days	
	ii	Pot Life	ASTM D :0445				500.00
	iii	Viscosity	ASTM D :2240				500.00
	iv	Bond Strength	ASTM D :3039				1000.00
12	<b>Shuttering Plywood</b>		IS:1734	IS: 4990	Full Board	30 days	
	i	Dimension (Each Parameter)					200.00
	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 (Each Parameter)					200.00
	ii	(a) Glue Shear Strength	(P-4)				1000.00

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
13	(b) Adhesion of Plies	(P-5)		500.00	Full Board	30 days
	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)		1500.00		
	viii Water Resistance	(P-5)		1000.00		
	<b>Fire Retardant Plywood</b>		IS:1734	IS: 5509		
i	Dimension (Each parameter)			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		
vii	Moisture content			500.00		
<b>Decorative Thermosetting Synthetic Resin Bonded Laminated Sheet (IS:2046-1995)</b>					Full Board	15 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		
<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		500.00		
iii	Elongation Percentage	IS:1608		500.00		
iv	Bend	IS:1599		750.00		
v	Rebend	IS:1599		750.00		
vi	Weight per meter			300.00		
vii	Chemical Analysis - C, S, P	IS:228		750.00		
17	<b>Reinforcement Couplers for Mechanical Splices of Bars (IS 16172)</b>				1 x 1 mtr	
i	Tensile Strength	IS:1608		1000.00		10 days
<b>Uncoated Stress Relieved Low Relaxation Seven Ply Strand (IS 14268)</b>					1 x 1 mtr	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		750.00		10 days
iv	Weight	IS:1599		300.00		10 days
v	Chemical Analysis - C, S, P	IS:228		750.00		10 days
	<b>Galvanised Strand for Earthing</b>			IS 12776		10 days

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
19	i	Breaking Strength	IS:1608		1000.00	1 m x 1	10 days
	ii	Elongation Percentage	IS:1608		750.00		10 days
	iii	Mass	IS:1608		300.00		10 days
	iv	Wrapping	IS:1599		750.00		10 days
	v	Zinc Coating			1000.00		10 days
<b>Hot Rolled Medium and High Tensile Structural Steel (IS 2062)</b>							
20	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		750.00		
	iv	Bend	IS 1599		750.00		
	v	Dimension (Each Dimension)			200.00		
	vi	Chemical Analysis (C, Mn, S, P, Si, CE)	IS 228		1000.00		
<b>Lime Stone (Slabs and Tiles)</b>			IS 1128		FS x 1 No	10 days	
21	i	Water Absorption	IS 1124	500.00			
	ii	Transverse Strength	IS 1121	1000.00	(200x50x50)x3 No		
	iii	Durability test	IS 1126	7500.00	φ50 x 3 Nos		
<b>Sand Stone/ Kota Stone (Slabs and Tiles)</b>			IS 3622		FS x 1 No	10 days	
22	i	Water Absorption	IS 1124	500.00			
	ii	Transverse Strength	IS 1121	1000.00	(200x50x50)x3 No		
	iii	Resistance to Wear	IS 1706	5000.00	(70x70)x3 Nos		
	iv	Durability test	IS 1126	7500.00	φ50 x 3 Nos		90 days
<b>Structural Granite</b>			IS 3316		FS x 1 No	10 days	
23	i	Water Absorption	IS 1124	500.00			
	ii	Specific Gravity	IS: 1124	500.00	FS x 1 No		
	iii	Compression Strength	IS: 1121-1	1500.00	(50x50)x3 No		
<b>STONE BALLAST</b>							
24	i	Abrasion Value	IS 2386 P-4	1500.00	1/2 Bag	10 Days	
	ii	Impact Value		500.00			
	iii	Elongation & Flakiness Index		500.00			
<b>Natural Building Stones</b>			IS 1123		FS x 1 No	10 days	
25	i	Specific Gravity	IS: 1124	500.00			
	ii	Compression Strength	IS: 1121-1	1500.00	(50x50)x3 No		
	iii	Resistance to Abrasion	IS 1706	5000.00	(70x70)x3 Nos		

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
	iv	Modulus of Elasticity		1000.00	FS x 1 No		
	v	Porosity	IS: 1124	500.00	FS x 1 No		
	vi	Tensile Strength	IS: 1121-1	1000.00	φ50 x 3 Nos		
26	<b>Marble (Slabs, Blocks and Tiles)</b>		IS:1124	IS:1130	Full Slab	10 days	
	i	Moisture Absorption	IS: 1121-1	500.00			
	ii	Specific Gravity	IS: 1122	500.00			
	iii	Hardness (Moh's Scale)		500.00			
27	<b>Kerb Stone</b>		IS: 1578	IS:5758		05 Days	
	i	Dimension (Each parameter)		200.00			
	ii	Water Absorption		500.00			
	iii	Compressive Strength		2000.00			
	iv	Transverse Strength		750.00			
28	<b>Cement Analysis OPC/ PPC</b>		IS: 4032	IS: 269, IS:455, IS:1489, IS:12269, IS:8112		50 kg (1 bag)	
	i	<b>Chemical Test</b>		IS:4032			
		(a) Ratio: (CaO-0.7SO <sub>3</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			500.00		
		(c) SO <sub>3</sub> by mass			500.00		
		(d) IR by mass			500.00		
		(e) MgO by mass			500.00		
	ii	<b>Physical Test</b>		IS:4031			
		(a) Setting time( initial and final setting time)			IS:8112		500.00
		(b) Compressive Strength (3, 7 and 28 days)			IS: 516		3000.00
		(c) Consistency		IS: 4031	IS:8112		500.00
		(d) Soundness (Le Chatelier Method)		IS: 4031	IS:8112		1000.00
(f) Fineness (Sieve Method)		IS:4031	IS:8112	500.00			
29	<b>Manhole Cover</b>		IS:12592	IS:12592		1 No.	
	i	Dimensions		2000.00			
	ii	Load Test		2000.00			
30	<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		
31	<b>Concrete Cube</b>				3 cubes	5 days	
	i	Compressive Strength(1 set with 3 nos sample))	IS:516	IS: 456			2000.00
32	<b>Concrete Core</b>				3 cores	7 days	
	i	Thickness (1 set with 3 nos sample)	IS:516	300.00			

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	ii	Compressive Strength (1 set with 3 nos sample)	IS:516	IS: 456	2000.00	
33	<b>Water Tank Testing upto 500 l</b>		IS 12701	IS 12701		
	i	Dimension			1500.00	1 Tank with cover 20 days
	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	
	xiii	Capacity above than 500 liters			1/litre	
34	<b>Building Bricks (Common Burnt Clay)</b>		IS:3495	IS: 1077		
	i	Dimension (Each parameter)			200.00	20 Nos. 10 days
	ii	Compressive Strength	(P-I)		2000.00	
	iii	Water Absorption	(P-II)		500.00	
	iv	Efflorescence	(P-III)		500.00	
<b>Fly Ash / Ash Lime Bricks</b>		IS:3495	IS: 13757/ IS: 12894			
35	i	Dimension (Each parameter)			200.00	20 Nos. 10 days
	ii	Compressive Strength	(P-I)		2000.00	
	iii	Water Absorption	(P-II)		500.00	
	iv	Efflorescence	(P-III)		500.00	
	<b>Sewer Bricks (Burnt Clay)</b>		IS:3495	IS: 4885		
36	i	Dimension (Each parameter)			200.00	20 Nos. 10 days
	ii	Compressive Strength	(P-I)		2000.00	
	iii	Water Absorption	(P-II)		500.00	
	iv	Efflorescence	(P-III)		500.00	
	<b>Concrete Masonary Unit</b>			IS 2185 (Pt-1 & 2)		
37	i	Dimension (Each parameter)			200.00	24 Nos. 20 days
	ii	Block Density			500.00	
	iii	Compressive Strength			3000.00	
	iv	Water Absorption			500.00	
	v	Drying Shrinkage			1500.00	
	<b>Concrete Masonary Unit (AAC Block)</b>			IS 2185 (Pt-3)		
38	i	Dimension (Each parameter)			200.00	24 Nos. 20 days
	ii	Block Density	IS 6441-1		500.00	
	iii	Compressive Strength	IS 6441-5		3000.00	

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
	iv	Thermal Conductivity	IS 3346	1000.00			
	v	Drying Shrinkage	IS 3346	1000.00			
39	<b>Paver Blocks</b>		IS 15658	IS 15658	24 Nos	15 days	
	i	Compressive Strength (1 set with 8 nos sample)		3000.00			
	ii	Water Absorption		500.00			
	iii	Dimension (Each Parameter)		200.00			
40	<b>C&amp;D BLOCK</b>				8 NOS	10 days	
	i	Compressive Strength (1 set with 8 nos sample)	IS 2185 P-1-2005	IS 2185 P-1-2005			3000.00
41	<b>Ceramic or Vitrified Tiles</b>		IS:13630	IS: 15622	(0.04 m <sup>2</sup> )	15 Days	
	i	Dimension (Each Parameter)		200.00			
	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			
	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			
42	<b>GSB (Granular Sub Base) / WMM / WBM</b>				50 Kg	15 days	
	i	Gradation	IS: 2386 (P- 1)	MORTH			1500.00
	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	Plasticity index	IS: 2720 (P- 5)				500.00
	vii	Combined Flakiness & Elongation Index	IS: 2386 (P- 4)				500.00
	viii	Maximum Dry Density	IS: 2720 (P- 8)				1000.00
	ix	Optimum Moisture Content	IS: 2720 (P- 8)				1000.00
	x	Soundness	IS: 2386 (P- 5)				2000.00
	xi	CBR	IS: 2720 (P- 16)				5000.00
43	<b>Fine Aggregate, Coarse Sand</b>		IS: 2386	IS:383	50 kg	15 days	
	i	Sieve Analysis		1500.00			
	ii	Specific Gravity		500.00			
	iii	Bulk Density		500.00			
	iv	Silt Content		500.00			
	v	Bulking of Sand		500.00			

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
	vi	Water Absorption		500.00		
	vii	Soundness		2000.00		
	viii	Organic Impurities		1000.00		
		<b>SCREENING MATERIAL</b>				
44		Plastic Index		500.00		
		Gradation		1500.00		
		<b>Coarse Aggregate</b>	IS: 2386	IS:383		
45	i	Sieve Analysis		1500.00	50 kg	15 days
	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		
	viii	Total Deleterious Material		1000.00		
	ix	Soundness		2000.00		
	x	Impact Value		500.00		
	xi	Abrasion Value		1500.00		
	xii	Organic Impurities		1000.00		
	Xiii	Stripping Value		1000.00		
		<b>Admixture - Uniformity test</b>	IS 9103	IS 9103		
46	i	Dry Material Content		1500.00	1 liter	7 days
	ii	Ash Content		1500.00		
	iii	pH		500.00		
	iv	Relative Density		500.00		
	v	Chloride Ion		1500.00		
		<b>Water Proofing Compound</b>				
47	i	Setting time	IS: 4031	IS:2645-2003	1 liter/ 2 kg and 5 kg Cement	15 days
	ii	Compressive Strength 3, 7 days		3000.00		
	iii	Chloride Content		1500.00		
		<b>Bituminous Concrete / Bituminous Macadam/Semi Dense Bituminous/Premix Carpet</b>		(MORTH)		
48	i	Bitumen Content % by mass / Binder Content		3500.00	10 kg	2 weeks
	ii	Aggregate Size (Sieve Analysis)		1500.00		
	iii	Aggregate Impact Value		1000.00		
	iv	Combined Flakiness Index and Elongation Index		500.00		
	v	Stripping Value of Aggregates		1000.00		
	vi	Water Absorption of Aggregates		500.00		
	vii	Soundness Test		2000.00		
	viii	Thickness		200.00		

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
<b>BITUMEN PRIMER</b>						
49	i	Physical Appearance		300.00	05 Kg	10 days
	ii	Density		500.00		
	iii	Drying Time		500.00		
	iv	Brushability		500.00		
	v	Pull of Adhesion		500.00		
	vi	Coverage on Concrete Surface		300.00		
<b>POLYMER MODIFIED MORTAR</b>						
50	i	Compressive Strength		2000.00	05 Kg	05 Days
	ii	Bond Strength		1000.00		
	iii	Density		500.00		
<b>Epoxy Grout</b>						
51	i	Mixed Density	IS : 9162	500.00	1 Ltr	10 Days
	ii	Pot Life	ASTM D :1200	500.00		
	iii	Compressive Strength	IS : 9162	2000.00		
	iv	Water Absorption	IS : 9162	500.00		
	v	Setting time	IS : 9162	500.00		
<b>Bonding Agent</b>						
52	i	Mixed Density		500.00	1 Ltr	10 Days
	ii	Pot Life		500.00		
	iii	Compressive Strength		2000.00		
	iv	Water Absorption		500.00		
<b>Curing Compound</b>						
53	i	PH		500.00	2 Ltr	35 days
	ii	Density		500.00		
	iii	Viscosity		500.00		
	iv	Appearance / Colour		300.00		
	v	Drying Time		500.00		
	vi	Compressive Strength		2000.00		
<b>RUST REMOVER</b>						
54	i	PH		500.00	2 Ltr.	07 Days
	ii	Viscosity		500.00		
	iii	Appearance / Colour		500.00		
	iv	Water Soluble		500.00		
<b>Corrosion Inhibitor</b>						
55	i	PH		500.00	1 Ltr.	07 Days
	ii	Relative Density		500.00		
	iii	Viscosity		500.00		
<b>ZINC RICH PRIMER</b>						
	i	PH	ASTM C :0309	500.00		

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
56	ii	Density		500.00	2 Ltr	10 Days
	iii	Viscosity		500.00		
	iv	Pot Life		500.00		
	v	Flash Point	ASTM C :1438	1000.00		
	vi	Appearance / Colour	IS :14589	300.00		
<b>Cement Grout Adhesive</b>						
57	i	Appearance / Colour	ASTM C :1438	300.00	2 Ltr	7 Days
	ii	Bulk Density	ASTM C :1438	500.00		
	iii	Setting time	ASTM C :1438	500.00		
	iv	Pot Life	ASTM C :1438	500.00		
	v	Mixed Density	ASTM C :1438	500.00		
<b>Bipolar for Micro</b>						
58	i	PH	ASTM C :0309	500.00	03 Ltr	15 Days
	ii	Density	ASTM D :1475	500.00		
	iii	Appearance / Colour		300.00		
	iv	Skin Irritation		500.00		
<b>Aluminium Fiberglass</b>						
59	i	Bond Strength		1000.00	01 Mtr.	10 days
<b>Aluminium Foil</b>						
60	i	Material Identification	ASTM E :1251	1000.00	1/2 Mtr.	05 Days
<b>Aluminium Adhesive</b>						
61	i	Adhesive Strength		1000.00	1 Ltr.	07 Days
<b>Anti-Carbonation Paint - Mixed</b>						
62	i	Density	ASTM D :2697	500.00	02 Ltr.	15 Days
	ii	Pot Life		500.00		
	iii	Compressive Strength	ASTM D :4541	2500.00		
	iv	Water Absorption		500.00		
63	<b>Construction Water</b>		IS 3025	IS: 456	2 liter	7 days
	i	0.02 N NaOH required to neutralize 100 ml		500.00		
	ii	0.02 N H <sub>2</sub> SO <sub>4</sub> required to neutralize 100 ml		500.00		
	iii	Sulphate (asSO <sub>3</sub> )		500.00		
	iv	Chloride (as cl)		500.00		
	v	Organic solids		500.00		
	vi	Inorganic solids		500.00		
	vii	Suspended matters		500.00		
	viii	pH		500.00		
<b>Mix Design of Concrete</b>						

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
64	i	OPC/ PPC Cement upto M45 Grade	IS 10262	23000.00	Coarse Aggregate: 150 kg Fine Aggregate: 150 kg Cement: 100 kg ,Admixture- 05 Ltr.	40 days	
	ii	OPC/ PPC Cement with Fly Ash upto M45 Grade	IS 10262	25000.00	as (i) above and Fly Ash: 100 kg	40 days	
65	<b>Cement Mortar - Chemical Composition (Ratio test)</b>		IS:1199	3500.00	10 kg	10 days	
66	<b>UV Stabilized Fiber Glass Reinforced Plastic Sheet</b>						
	i	Thickness	----	IS:12866	200.00	1 x 1 m	2 weeks
	ii	Density	IS:12866	IS:12866	500.00		
	iii	Glass Content			1000.00		
	iv	Water Absorption			500.00		
	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			
67	<b>Gypsum Building Plaster</b>						
	i	SO <sub>3</sub> by mass	IS:2542	IS:2547 (Pt.-I)	500.00	10 kg	15 days
	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			1000.00		
	vii	Transverse strength			1000.00		
	viii	Soundness			1000.00		
ix	Residue on 1.8mm			1000.00			
68	<b>APP (Atactic Polypropylene Polymer) Water</b>						
	i	Thickness of Membrane		CPWD Vol. II	200.00	1 x 1 m	15 days
	ii	Weight of Membrane			500.00		
	iii	Tensile Strength (Longitudinal / Crosswise)			1000.00		
	iv	Softening Point			500.00		
v	Cold Flexibility			500.00			
<b>PIPE</b>							
	<b>RCC Hume Pipe/ SW Pipe</b>		IS: 458	IS: 458			

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
69	i	Dimension (Each Parameter)		200.00	1 No. Full Size	10 Days
	ii	Water Absorption - 10 minute		500.00		
	iii	Water Absorption - 24 hours		500.00		
	<b>Reinforcement - HD/ MS Wire</b>	IS:1608	IS:458, IS:432 (I&II), 280			
70	i	(a) Yield Stress/ Proof Stress		500.00		
	ii	(b) Tensile Strength		1000.00		
	iii	(c) Elongation		500.00		
	iv	(d) Bend Test	IS:1599	750.00		
	v	Chemical Analysis of HD/ MS Wire	IS:228	750.00		
	<b>HDPE/ LDPE/ UPVC Pipe</b>		IS: 4984, 4985			
71	i	Dimension (Each Parameter)		200.00	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		
	<b>PVC Conduct Pipe</b>	IS 9537-1	IS 9537-3			
72	i	Dimension (Each parameter)		200.00	2 No. Full Size	10 Days
	ii	Bend Test		750.00		
	iii	Compressive Test		1000.00		
	iv	Impact Test		500.00		
	v	Resistance to Heat		500.00		
	vi	Resistance to Burning		500.00		
	<b>CPVC Pipe</b>		IS: 15778			
73	i	Dimension (Each Parameter)		200.00	1 No. Full Size	10 days
	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		
	<b>M. S. Conduit Pipe</b>	IS 9537-1	IS 9537-2			
74	i	Dimension (Each Parameter)		200.00	2 No. Full Size	10 Days
	ii	Bend Test		750.00		
	iii	Compressive Test		1000.00		
	<b>DWC Pipe</b>					
75	i	Thickness		200.00	1 mtr.	05 Days
	ii	Density		500.00		
	<b>SN-8 Structured Wall Polythene Piping System (DWS Pipe)</b>					
	i	Dimension (Thickness)		200.00		
	ii	Dimension (Outer Diameter)		200.00		

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration	
76	iii	Dimension (Inner Diameter)		200.00	Full Pipe	10 Days	
	iv	Dimension (Rib Thickness)		200.00			
	v	Dimension (Rib Diameter)		200.00			
	vi	Ring Stiffness		500.00			
	vii	Ring Flexibility		500.00			
	vii	Visual Appearance		300.00			
	viii	Density		500.00			
77	<b>M. S. Pipe/ G. I. Pipe</b>		IS: 1239, IS:4736		1 No. Full Size	10 Days	
	i	Dimension (Each Parameter)		200.00			
	ii	Weight per meter		300.00			
	iii	Flattening test		500.00			
	iv	Tensile Strength	IS:1608	1000.00			
	v	Elongation	IS:1608	500.00			
	vi	Bend Test	IS:2329	750.00			
	vii	Chemical Analysis (C,Mn,S & P)	IS:228	IS: 1239			1000.00
viii	Zinc Coating	IS:6745	IS:4736	1000.00			
78	<b>S. S. Pipe</b>		IS:1608	IS: 6911	1 No. Full Size	10 Days	
	i	Dimension		200.00			
	ii	Tensile Strength		1000.00			
	iii	Elongation		500.00			
	iv	Proof Stress		500.00			
	v	Chemical Analysis	IS:228				1500.00
vi	Hardness	IS:1586		500.00			
79	<b>C. I. Pipe</b>			IS: 3989, 1536	1 No. Full Size	10 Days	
	i	Dimension (Each parameter)		200.00			
	ii	Mass		500.00			
	iii	Hammer Test	IS:1536	300.00			
	iv	Ring Test and Tensile Test	IS:1608	1000.00			
<b>STEEL WIRE FOR SPRINGS</b>							
80	i	Mechanical Properties		IS: 4454 (P-1)	2 m x 2	10 days	
		(a) Tensile Strength	IS:1608				1000.00
		(b) Wrapping Test	IS:1755				500.00
		(c) Torsion					500.00
	(d) Bend Test	IS:1599		500.00			
ii	Chemical Properties	IS:228		1000.00			
<b>POLYMER/ RUBBER</b>							
	i	Density/ Specific Gravity	IS:3400	IS: 3400	50 gm	10 days	
	ii	Flexural Modulus		IS: 13360	300x300 mm		

#	Type of Test		Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
81	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	
<b>SOIL TESTING</b>							
82	i	Maximum Dry Density / Optimum Moisture	IS: 2720-7&8		2000.00	15Kg	18 days
	ii	Plastic Limit	IS: 2720-5		1000.00	5Kg	
	iii	Liquid Limit	IS: 2720-5		1000.00		
	iv	Sieve Analysis	IS: 2720-4		1000.00	5Kg	
	v	Sedimentation Method			1000.00		
	vi	CBR	IS: 2720-16		5000.00	15kg	
	vii	Free Swelling Index	IS: 2720-40		500.00	5Kg	
	viii	Direct Shear Test ( C & Value)	IS: 2720-13		15000.00	15Kg	
	ix	Classification of Soil	IS-1498		2000.00		
<b>BITUMEN TESTING</b>							
83	i	Bitumen Content	IS 5317	IS 73	3500.00	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		
	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		1500.00		
	xii	Viscosity Ratio	IS 1208		1500.00		
<b>TEXTILE</b>							
84	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		500.00		
	iv	Tensile Strength	IS 1969 & ISO		1000.00		
	v	Elongation Strength			500.00		
<b>STEEL</b>							
85	i	Impact Test	IS 1757		1000.00	1 Pc.	7 days
<b>Contact Details:-</b> Material Testing Laboratory, NSIC Technical Services Centre, Near NTPC Gas Power Plant, Neemka, Faridabad-121004,Haryana <b>Telephone:</b> 0129-2401102 , <b>Mobile:</b> 9871212692 <b>Email:</b> ntsneemka@nsic.co.in							

#	Type of Test	Test Method	Standard Specification	Rate Per Sample	Quantity Required	Duration
<b>GENERAL TERMS &amp; CONDITIONS:</b>						
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, Bank - HDFC Bank, Branch - Tigaon Main Road, Tigaon, Faridabad - 121004, 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					