

दूरभाष कार्यालय : 2511-9600

भारतीय विमानपत्तन प्राधिकरण

पूर्वी क्षेत्र, न.सुच.ब.अ. विमानपत्तन., कोलकाता

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Tel. Office : - 2511-9600

AIRPORTS AUTHORITY OF INDIA
Eastern Region, N.S.C.B.I. Airport, Kolkata - 52

Ref.: AAI/RHQ-ER/KOL/ENGG./ER/2025-26/89

Date: 18-06-2025

To

The Omresearch & Testing Laboratory Private Limited,
Girwar Bhawan, Sukhdeo Nagar,
Ratu Road,
Ranchi – 834 005.
Jharkhand, India

Sub: - Empanelment of material testing laboratory with Airports Authority of India.

Sir,

Please refer your letter Dtd.: 26-02-2025, on the captioned subject.

1. It is hereby informed that the empanelment of your material testing laboratory has been approved for testing of building material, Soil and Structure, in the following categories;

Name of laboratory & address	The Omresearch & Testing Laboratory Private Limited, Girwar Bhawan, Sukhdeo Nagar, Ratu Road, Ranchi – 834 005, Jharkhand, India
Phone / E-mail / Website	07362037216 & 06206339360 Omlaboratories2019@gmail.com www.omlaboratory.co.in
Laboratory recommended for test in accordance with relevant IS codes. Refer NABL Approved Scope of Accreditation for M/s Omresearch & Testing Laboratory Private Limited	As per attached list (Annexure – I, Pg. No. 01 to 06)

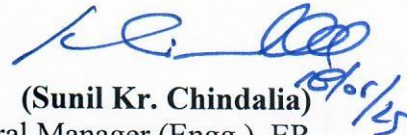
2. It is approved based on the NABL Certificate of Accreditation submitted by you.
3. It is requested to ensure that the test are conducted with high degree of reliability.
4. The respective field units of AAI shall send material / samples for testing to your laboratory only after ensuring that the laboratory is equipped to carry out required test as per specifications and has valid NABL accreditation certificate on the day of submission of test samples / conducting field test.
5. The empanelment shall remain **valid upto 16-07-2026 i.e. validity of NABL accreditation.**

Contd. /2

6. However, Airports Authority of India reserves the right to de-panel your laboratory without assigning any reason and no claim whatsoever shall be entertained on this account. In case any problem is faced by any Region / Station, the same may be brought to the notice of RHQ-ER for necessary action.

Encl: As Above

Yours faithfully,



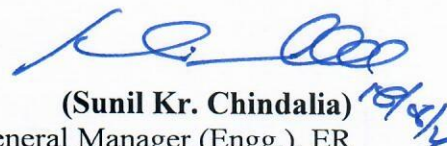
(Sunil Kr. Chindalia)
General Manager (Engg.), ER
AAI, RHQ-ER, Kolkata-52.

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2. Executive Director (PMQA), AAI, CHQ, Rajiv Gandhi Bhawan, New Delhi – 110 003.
3. Regional Executive Director, AAI, Northern Region / Western Region / Eastern Region / Southern Region / North East Region.
4. Airport Director, AAI, Bagdogra / Bhubaneswar / Cooch Behar / Deogarh / Darbhanga / Jharkhand / Jharsuguda / Gaya / Patna / Pakyong / Raipur / Ranchi.
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3. MIS, Engg. (Civil / Elect), AAI, RHQ-ER.



(Sunil Kr. Chindalia)
General Manager (Engg.), ER
AAI, RHQ-ER, Kolkata-52.

COMPARITIVE STATEMENT OF TESTING CHARGES

S.No	Test Material	Parameter	IS Specification	Sample required	Revised Rates per sample of M/s Omresearch lab	Rate per sample of M/s TSC Lab
1	Adhesive For Tiles	As per Specification	IS-15477	5 Kg	5700	6000
2	Admixture	Relative Density	IS-9103	1 Ltr	2600	7500
		Ash Content	IS-9103	1 Ltr	2400	
		pH Value	IS-9103	1 Ltr	2500	
		Chloride Content	IS-9103	1 Ltr	2400	3000
3	Aluminium Section	complete test except anodic coating	IS:733/737	5 pcs @ 1m lenth each	3300	3500
		Anodic Powder coating	IS:5523	3 pcs @ 1m lenth each	800	1000
4	Anti Stripping Agent	As per Specification	IS:1202,1448 & MORTH v 5 2013	10 kg	5100	5000
5	Bentonite	Liquid Limit	IS:2720	2 Kg	550	500
		Sand Content	IS:6186	5 kg	400	500
		pH Value	IS:2720	1 Kg	400	500
		Relative Density	IS:2720	5 Kg	900	800
		Free Swelling	IS:2720	1 Kg	700	800
		Marsh Cone Viscosity	ASTM D 6910	5 Kg	1300	1200
		Ductility Test	IS:1208	2 Ltrs	1000	800
		Penetration Test	IS:1203	2 Ltrs	700	800
		Flash point (By Cleveland Open Cup)	IS:1209	2 Ltrs	700	800
		Specific Gravity	IS:1202	2 Ltrs	700	800
6	Bitumen & All Bituminous Mix Material/Product	Softening point	IS:1205	2 Ltrs	800	800
		Solubility in trichloroethylene	IS:1215	2 Ltrs	800	800
		Kinematic Viscosity	IS:1205 (PI 2)	2 Ltrs	1000	1000
		Absolute Viscosity	IS:1205 (PI 3)	2 Ltrs	1000	1000
		Stripping Value of Aggregate	IS:8241	2 Ltrs	900	800
		Rolling Thin Film Test	ASTM D 2872	2 Ltrs	1200	
		Bitumen Binder Content	IS:5317	2 Ltrs	1000	1200
		Marshall Stability Test	MORTH 5th Rev 2013	2 Ltrs	1800	1800
		Ductility Test	IS 8887	2 Ltrs	700	6500
		Penetration Test	IS 8887	2 Ltrs	400	
7	Bitumen Emulsion	Residue by Evaporation	IS 8887	2 Ltrs	1200	
		Partide Change	IS 8887	2 Ltrs	900	
		Cement Mixing	IS 8887	2 Ltrs	800	
		Solubility in trichloroethylene	IS 8887	2 Ltrs	1100	
8	Bitumen Mastic asphalt Hardness test		IS 1196		2000	
9	Bituminous Core cutting & Density Test		MORTH 5th Rev 2013		2600	
10	Bitumen Mix Design	(BM,DBM,BC,SDBC,SOAC, MASTIC ASPHALT)	MORTH 5th Rev 2013/MH2		14000	15000
11	Black Board	As per Specification	IS:1869:2004		9200	9000

12	Blanketing Material Mix Design	Gradation, Atterberg Limit, OMC, MDD	RDSO GE 14 IRS0004D		7700	
13	Brick (Fly Ash & Clay Brick)	Compressive Strength	IS:12894 & IS:1077/CPWD	5 nos	800	800
		water absorption	IS:12894 & IS:1077/CPWD	5 nos	250	300
		Dimension	IS:12894 & IS:1077/CPWD	20 nos	200	300
		Efflorescence	IS:12894 & IS:1077/CPWD	5 nos	400	500
14	Cement	Fineness (by Sieve)	IS:4031 (P-1)	50 Kg	400	
		Fineness (by Blaine)	IS:4031 (P-2)	50 Kg	1600	
		Consistency	IS:4031 (P-4)	50 Kg	400	
		IST & FST	IS:4031 (P-5)	50 Kg	1000	
		Soundness (La-Chatelier)	IS:4031 (P-3)	50 Kg	600	
		Specific Gravity (La-Chatelier Flask)	IS:4031 (P-11)	50 Kg	700	
		Compressive Strength (3,7 & 28 days)	IS:4031 (P-6)	50 Kg	1500	
		Physical Analysis	IS:4031			3000
		Chemical Analysis	IS:4032	50 Kg	2000	1600
15	Cement Concrete	Ratio of Ingredients	IS:1199	50 kg bag each (Cement, Fine aggregate, Coarse Aggregate)	2600	3000
16	Cement Fiber Board	As per Specification	IS:14276-1995		9500	9000
17	Cement Mortar	Ratio of Ingredients	IS:4457	50 Kg bag each (Cement + Fine Aggregate)	3100	3000
18	Cement Paint	As per Specification	IS:4457	50 Kg	4200	4000
19	Ceramic Tiles (Glazed/Unglazed)	As per Specification	IS:15872:2006	1 Box	3600	3800
20	Chemical Analysis of Soil	Deleterious Substances (Organic Matter)	IS:2720	5 Kg	1800	2000
		Total Soluble Solids	IS:2720	5 Kg	400	500
		Calcium Carbonate	IS:2720	5 Kg	700	800
		Total Soluble Sulphate	IS:2720	5 kg	700	800
		pH Value	IS:2720	5 Kg	400	500
21	Chequered Tiles	As per Specification	IS:1237	1 Box	4000	3800
22	CI Pipe	Complete test except pressure test	IS:1536:2051	Each Dia 3 pieces @ length of 1 meter	3000	3500
23	Clay Roofing Tiles	As per Specification	IS:654	1 Box	3700	3500
		Sieve Analysis	IS:2386	10 kg each size	300	500
		Specific Gravity	IS:2386	10 kg each size	250	500
		water absorption	IS:2386	10 kg each size	500	500
		Impact Value	IS:2386	15 kg each size	650	500
		Falkiness Index	IS:2386	15 kg each size	600	500
		Elongation Index	IS:2386	15 kg each size	600	500
		Crushing Strength	IS:2386	15 kg each size	600	500

24	Coarse Aggregate	Total Deleterious Material	IS:2386	5 kg each size	750	800
		Bulk Density (Loose & Compacted)	IS:2386	20 kg each size	400	500
		Soundness	IS:2386	20 kg each size	2000	2000
		Abrasion Value (L.A)	IS:2386	20 kg each size	800	800
		10% Fine Value	IS:2386	20 kg each size	400	500
		Alkali Aggregate Reactivity	IS:2386	10 kg each size	1800	2000
		Chloride Content	IS:2386	10 kg each size	200	1000
		Sulphate content	IS:2386	10 kg each size	250	1000
		Petrography	IS:2386	30 kg each size	17000	16000
		Stone Polishing Value	IS:2386	45 Kg each size	27000	25000
		Organic Impurities	IS:2386	5 kg each size	2100	
25	Concrete Cube	Compressive Strength	IS:516	1 set=3nos	900	1000
26	Concrete Mix Design	(M10/15/20/25/30/35/40/45/50)	IS:10262, IS:456, SP-23	Each Grade Material: 20mm-100 Kg, 10mm-100kg, sand-150Kg, Cement-2 Bags, & admixture-5 Kg)	17000	16000
27	Enamel Paint/Distemper	As per Specification	IS:2932428/5411/427	4 liters	5000	4500
28	Fiber Board	As per Specification	As per specification		9500	9000
29	Fine Aggregate	Sieve Analysis	IS:2386	10 Kg	600	500
		Specific Gravity	IS:2386	10 Kg	300	500
		water absorption	IS:2386	1 Kg	300	500
		Silt and Clay	IS:2386	5 Kg	300	500
		Total Deleterious Material	IS:2386	2 Kg	800	800
		Bulk Density (Loose & Compacted)	IS:2386	5 Kg	500	500
		Soundness	IS:2386	5 Kg	1800	2000
		Bulking of Sand	IS:2386	1 Kg	600	500
		Alkali Aggregate Reactivity	IS:2386	5 Kg	1800	2000
		Organic Impurities	IS:2386	2 Kg	1000	1000
		Chloride Content	IS:2386	1 Kg	1000	1000
		Sulphate content	IS:2386	1 Kg	1000	1000
30	Flexural Strength	Compressive Strength	IS:516	1 set=3nos	300	300
31	Flush Door Shutter	As per Specification	IS:2202 (Pt-1); 1003 (Pt-1)		7500	8200
32	Fly Ash	Complete Test (Phy + Chem)	IS:3812	15 Kg	6000	5800
33	FRP/GRP Door Shutters	As per Specification	IS:4020/18256		8000	8200
		Design Mix		40 Kg		12000
		Complete Test		40 Kg	5000	5200
		Gradation		40 Kg		
		Impact value		40 Kg		

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34	G S B	Loss Angel/Abrasion Value	MORTH 5th Rev 2013	40 Kg		
		MDDOMC		40 Kg		
		CBR		40 Kg		
		Water Absorption		40 Kg		
		Liquid Limit		40 Kg		
		Plastic Limit		40 Kg		
35	Galvanized Steel Barbed Wire	Complete test	IS:278/1506	Each Dia 3 pieces @ length of 1 meter	3600	3500
36	G I Pipe	Complete test except pressure test	IS:1239 (Pt-1 and Pt-2)	Each Dia 3 pieces @ length of 1 meter	4400	4500
37	Glass Beads	As per Specification	MORTH 5th Rev 2013	3 Nos.	4300	4600
38	Granite Stone	As per Specification	IS:3316	1 No. Half slab	3600	3500
39	HDPE Shearing Pipe	Physical + Chemical	IS:2530:1963		7500	7200
40	HT Strand Wire	Complete Test	IS:14268	Each Dia 3 pieces @ length of 1 meter	6200	6200
41	Kerb Stone	As per Specification	IS:516	8 Nos.	2500	2300
		As per Specification	IS:3461	8 Nos.	6000	
42	Lime	Complete Test	IS:1514/	25 Kgs	3000	3500
43	Marble Stone	As per Specification	IS:1130	1 Slab	3500	3500
44	MDF/MDP Board	As per Specification	IS:12406 and 3087		9000	8200
45	Morum	Attenberg Limit	MORTH 5th Rev 2013	1 Kg	800	800
		MDD/OMC (Standard Compaction)		10 Kg	500	600
		MDD/OMC (Modified Compaction)		10 Kg	500	
46	MS Channel/Beam/Pipe and Angle	Physical Analysis	IS:2062-2013	3 pcs @ 1m lenth each	2700	2500
		Chemical Analysis	IS:2062-2013	3 pcs @ 1m lenth each	2500	2300
47	Paint	As per Specification	IS:2074,2932,102,104	4 liters	6000	6000
48	Particle Board	As per Specification	IS:3097-2006		9000	8200
49	Paver Block	Compressive Strength	IS:15658	8 Nos.	750	800
		water absorption	IS:15658	8 Nos.	300	300
		Dimension	IS:15658	8 Nos.	200	300
		Abrasion Test	IS:15658	8 Nos.	800	800
		Flexural Test	IS:15658	8 Nos.	800	800
50	Plaster of Paris	As per Specification	IS:2547	5 Kg	4200	4000
51	Plastic Emulsion	As per Specification	IS:2022428/428/5411/427	4 liters	4600	
52	Ply wood	As per Specification	IS:3031-1989		7700	7500
53	Pre - laminated Particle Board	As per Specification	IS:12823		6000	5500
54	PVC Conduit Pipe	As per Specification	IS:9536		7500	7200
55	PVC Flooring Tiles	As per Specification	IS:3461	1 Box	5500	5200
		Dry Density	IS:13030:1991 (RA 2001)	5 Nos	400	600

56	Rock Test	Bulk Density	IS:13030:1991 (RA 2001)	5 Nos	300	600
		Moisture Content	IS:13030:1991 (RA 2001)	5 Nos	400	600
		Specific Gravity	IS:13030:1991 (RA 2001)	5 Nos	400	600
		water absorption	IS:13030:1991 (RA 2001)	5 Nos	400	600
		Porosity	IS:13030:1991 (RA 2001)	5 Nos	600	800
		Unconfined Compressive Strength	IS:9143-1979 (RA 2001)	5 Nos	1000	
		Point Load Index Test	IS:8764-1990 (RA 2019)	5 Nos	1000	
57	Roofing Slate Tiles	As per Specification	IS:8260	1 Box	4000	4000
58	Sand	Sand Equivalent Test	IS:2720	50 Kgs	2100	2000
59	Sealing Compound	As per Specification	IS:13143	10 Kgs	3500	3500
60	Soil Test/Stone Dust	MDD/OMC (Standard Compaction)	IS:2720 (Pt 8)	10 Kgs	1000	1000
		MDD/OMC (Modified Compaction)	IS:2720 (Pt 8)	10 Kgs	1000	1000
		Plastic Limit	IS:2720 (Pt 5)	1 Kg	500	500
		Liquid Limit	IS:2720 (Pt 5)	1 Kg		
		Plasticity Index	IS:2720 (Pt 5)	1 Kg		
		GSA (By Sieve)	IS:2720 (Pt 4)	10 Kgs	800	
		GSA (By Hydrometer)	IS:2720 (Pt 4)	5 Kgs	2000	
		Specific Gravity	IS:2720 (Pt 3)	5 Kgs	400	500
		Moisture Content	IS:2720 (Pt 2)	1 Kg	400	500
		Free Swelling Index	IS:2720 (Pt 40)	1 Kg	800	800
		Lab CBR Test for Soil	IS:2720 (Pt 16)	15 Kgs	1500	1500
		Triaxial Test (c and ϕ value)	IS:2720 (Pt 11)	10 Kgs	2800	3000
		Direct Shear (c and ϕ value)	IS:2720 (Pt 13)	10 Kgs	2500	2500
		Soil Permeability Test	IS:2720	10 Kgs	2000	2000
		ID Consolidation Test	IS:2720	10 Kgs	4500	5000
		Insitu Density by sand Replacemen on Soil Surface	IS:2720	In field	1800	2000
		Insitu Density by Sand relacement on Granular Surface	IS:2720	In field	1800	2500
		Insitu Density by Core Cutter Method on Soil Surface (FDD)	IS:2720 (Pt 29)	In field	1600	1500
		Bulk Density	IS:2720 (Pt 28)	5 Kgs	400	
		Sand Equivalent Test	IS:2720 (Pt 37)	10 Kgs	5800	
61	Solid Concrete Block	Compressive Strength	IS:2185 (Pt 1)	8 Nos.	1000	2800
		water absorption		8 Nos.	1000	
		Abrasion Value		8 Nos.	1600	
		Flexural Test		8 Nos.	1600	

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62	Stainless Steel	Complete Test	IS:6911-2013	Each Dia 3 pieces @ length of 1 meter	5500	5200
63	Steel Channel/Beam/Pipe and Angle	Physical Analysis	IS:2062-2013	3 pcs @ 1m length each	2600	2500
		Chemical Analysis	IS:2062-2013	3 pcs @ 1m length each	1600	1500
64	Stone Dust	As per Specification	As per specification	15 Kgs	4000	4000
65	Terrazo Tiles	As per Specification	IS:13801	1 Box	3900	3800
66	Thermoplastic Paint	As per Specification	MORTH 5th Rev 2013	4 liters	6500	6200
67	TOR Steel	Ultimate Tensile Strength	IS:1786-2008	3 pcs @ 1m length each	2000	2000
		Elongation				
		Mass per Motor Run				
		0.2% Proof Stress/Yield Stress				
		Bend Test				
		Rebend Test				
		Chemical Analysis				
68	Unglazed Acid Resisting Tiles	As per Specification	IS:4457	1 Box	4300	4000
69	Vitrified Tiles	As per Specification	IS:15622	1 Box	6000	5200
70	W B M	Design Mix	MORTH 5th Rev 2013	40 Kgs of each sample	12000	
		Complete Test			4500	4500
		Gradation S A				
		Impact value				
		Loss Angel/Abrasion Value				
		Flakiness				
		Elongation				
71	W M M	Design Mix	MORTH 5th Rev 2013	40 Kgs of each sample	12000	
		Complete Test			4500	4600
		Gradation S A				
		MDD/OMC				
		Impact value				
		Loss Angel/Abrasion Value				
		Flakiness				
72	Water Permeability for Concrete Mould	Water Permeability Test	IS:3085	1 set=3nos	2200	2500
73	Water Proofing Compound	As per Specification	IS:3461	10 Kgs	5500	5200
74	White Cement based Wall Putty	Physical Test	IS:403141585	10 Kgs	3200	3000
		Chemical Test	IS:269:2003	10 Kgs	2700	2500
75	Wood	Moisture Content and Density Test	IS:1708		1300	1200