THE INDIA CEMENTS LIMITED

WORKS : MALKAPUR - 501158, P.B. No. 07, SY. No. 51,
TANDUR MANDAL, RANGA REDDY DIST., TELANGANA
Tel : 08411 - 242247, 242324 to 242326, Fax : 08411 - 242302

AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPERIOR OPC 53 GRADE CEMENT
TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS 269:2015
A	**CHEMICAL REQUIREMENTS:**		
1	LSF (Lime Saturation factor)	**0.90**	0.80-1.02
2	Alumina Modulus	**1.04**	Min 0.66
3	Insoluble residue (%)	**2.56**	Max 5.0
4	Magnesia (%)	**1.04**	Max 6.0
5	Sulphuric Anhydride (%)	**2.36**	Max.3.5
6	Loss on Ignition (%)	**2.57**	Max.4.0
7	Chloride (%)	**0.012**	Max 0.10
B	**PHYSICAL REQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**330**	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**120**	Min 30
	b) Final	**215**	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	**37.5**	Min 27
	b) 7 Days	**48.4**	Min 37
	c) 28 Days	**Results awaited**	Min 53
5	NC(%)	**26.3**	--
6	Sp.Gravity (gm/CC)	**3.12**	--

The sample complies with the requirements of IS 269:2015 for 53 Grade Ordinary Portland Cement.

Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

Permitted Performance improvers are added (Type: Limestone: 2.0% & Flyash: 3.0%)

भारतीय मानक ब्यूरो IS / ISO 9001
BUREAU OF INDIAN STANDARDS QMS

HOD (QA)

THE INDIA CEMENTS LIMITED
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AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL OPC 43 GRADE CEMENT
TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS 269:2015
A	**CHEMICAL REQUIREMENTS:**		
1	LSF (Lime Saturation factor)	**0.91**	0.66-1.02
2	Alumina Modulus	**1.05**	Min 0.66
3	Insoluble residue (%)	**2.63**	Max 5.0
4	Magnesia (%)	**1.06**	Max 6.0
5	Sulphuric Anhydride (%)	**2.31**	Max.3.5
6	Loss on Ignition (%)	**2.69**	Max 5.0
7	Chloride (%)	**0.013**	Max 0.10
B	**PHYSICALREQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**303**	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**121**	Min 30
	b) Final	**218**	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	**35.4**	Min 23
	b) 7 Days	**46.3**	Min 33
	c) 28 Days	**Results awaited**	Min 43 & Max 58
5	NC(%)	**26.7**	--
6	Sp.Gravity(gm/CC)	**3.13**	--

The sample complies with the requirements of IS 269:2015 for 43 Grade Ordinary Portland Cement

Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

Permitted Performance improvers are added (Type: Limestone: 2.0% & Flyash: 3.0%)

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AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPER POWER PPC (FA BASED)
TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS:1489(Part-1):2015
A	**CHEMICAL REQUIREMENTS:**		
1	Sulphuric Anhydride (%)	**2.32**	Max 3.5
2	Magnesia (%)	**1.06**	Max 6.0
3	Loss on Ignition (%)	**2.55**	Max 5.0
4	Insoluble Residue (%)	**24.61**	Max X+[4(100-X)/100]
5	Chloride (%)	**0.012**	Max. 0.1
B	**PHYSICAL REQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**339**	Min. 300
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**123**	Min 30
	b) Final	**218**	Max 600
4	Compressive Strength (Mpa)		
	a) 3 Days	**28.3**	Min. 16
	b) 7 Days	**40.3**	Min. 22
	c) 28 Days	**Results awaited**	Min 33
5	% Drying Shrinkage	**Results awaited**	Max 0.15
6	% of Flyash	**27.0**	Min 15 and Max 35
7	NC(%)	**27.3**	--
8	Sp.Gravity(gm/CC)	**2.91**	--

The above cement complies to IS: 1489 (Part-1):2015 Portland Pozzolana Cement (Fly ash based).

Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

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AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPERIOR OPC 53 GRADE CEMENT
TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS 269:2015
A	**CHEMICAL REQUIREMENTS:**		
1	LSF (Lime Saturation factor)	**0.90**	0.80-1.02
2	Alumina Modulus	**1.04**	Min 0.66
3	Insoluble residue (%)	**2.56**	Max 5.0
4	Magnesia (%)	**1.04**	Max 6.0
5	Sulphuric Anhydride (%)	**2.36**	Max.3.5
6	Loss on Ignition (%)	**2.57**	Max.4.0
7	Chloride (%)	**0.012**	Max 0.10
B	**PHYSICALREQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**330**	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**120**	Min 30
	b) Final	**215**	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	**37.5**	Min 27
	b) 7 Days	**48.4**	Min 37
	c) 28 Days	**Results awaited**	Min 53
5	NC(%)	**26.3**	--
6	Sp.Gravity(gm/CC)	**3.12**	--

The sample complies with the requirements of IS 269:2015 for 53 Grade Ordinary Portland Cement.

Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

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HOD(QA)

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AN IS/ISO 9001:2015 CERTIFIED COMPANY

COROMANDEL KING SUPERIOR OPC 43 GRADE CEMENT TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS 269:2015
A	**CHEMICAL REQUIREMENTS:**		
1	LSF (Lime Saturation factor)	**0.91**	0.66-1.02
2	Alumina Modulus	**1.05**	Min 0.66
3	Insoluble residue (%)	**2.63**	Max 5.0
4	Magnesia (%)	**1.06**	Max 6.0
5	Sulphuric Anhydride (%)	**2.31**	Max.3.5
6	Loss on Ignition (%)	**2.69**	Max 5.0
7	Chloride (%)	**0.013**	Max 0.10
B	**PHYSICALREQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**303**	Min. 225
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**121**	Min 30
	b) Final	**218**	Max 600
4	Compressive Strength(Mpa)		
	a) 3 Days	**35.4**	Min 23
	b) 7 Days	**46.3**	Min 33
	c) 28 Days	**Results awaited**	Min 43 and Max 58
5	NC(%)	**26.7**	--
6	Sp.Gravity(gm/CC)	**3.13**	--

The sample complies with the requirements of IS 269:2015 for 43 Grade Ordinary Portland Cement

Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

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AN IS/ISO 9001:2015 CERTIFIED COMPANY

CONCRETE SUPER KING
PORTLAND POZZALONA CEMENT (FA BASED)
TEST CERTIFICATE

	PARTICULARS	TEST RESULTS	Specification as per IS:1489(Part-1):2015
A	**CHEMICAL REQUIREMENTS:**		
1	Sulphuric Anhydride (%)	**2.25**	Max 3.5
2	Magnesia (%)	**1.04**	Max 6.0
3	Loss on Ignition (%)	**2.60**	Max 5.0
4	Insoluble Residue (%)	**15.63**	Max X+[4(100-X)/100]
5	Chloride (%)	**0.012**	Max. 0.1
B	**PHYSICAL REQUIREMENTS:**		
1	Specific Surface Area (M^2/kg)	**359**	Min. 300
2	Soundness		
	a) Le Chatelier (mm)	**1.0**	Max 10
	b) Autoclave (%)	**0.02**	Max 0.8
3	Setting Time (minutes)		
	a) Initial	**115**	Min 30
	b) Final	**212**	Max 600
4	Compressive Strength (Mpa)		
	a) 3 Days	**35.6**	Min. 16
	b) 7 Days	**45.4**	Min. 22
	c) 28 Days	**Results awaited**	Min 33
5	% Drying Shrinkage	**Results awaited**	Max 0.15
6	% of Flyash	**18.0**	Min 15 and Max 35
7	NC(%)	**26.7**	--

The above cement complies to IS: 1489 (Part-1):2015 Portland Pozzolana Cement (Fly ash based).
Date of Despatch: 16.07.2022 to 22.07.2022 Week No: 29

भारतीय मानक ब्यूरो IS / ISO 9001
BUREAU OF INDIAN STANDARDS QMS

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