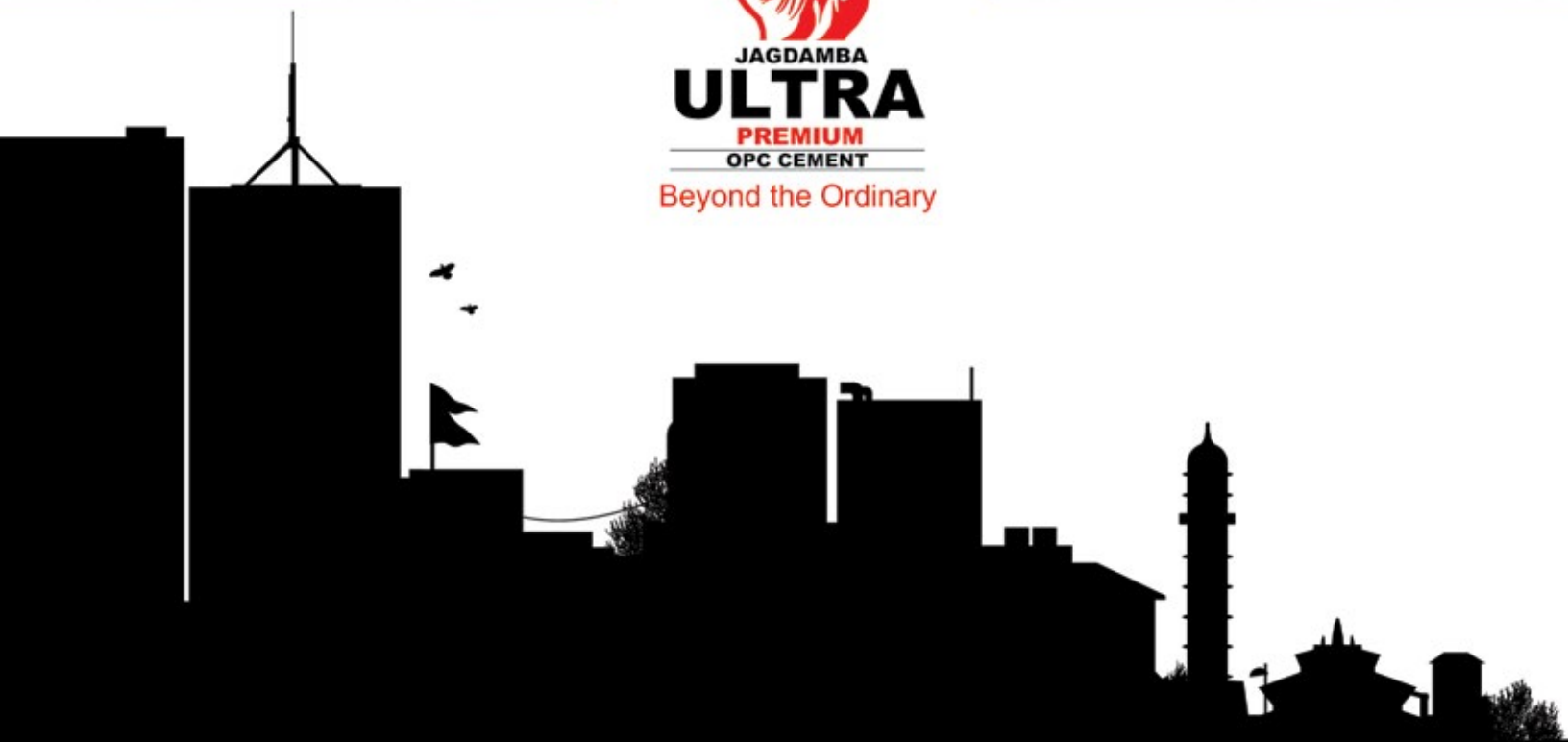




JAGDAMBA
ULTRA
PREMIUM
OPC CEMENT

Beyond the Ordinary



NS. 49



AN ISO 9001 : 2008
CERTIFIED COMPANY



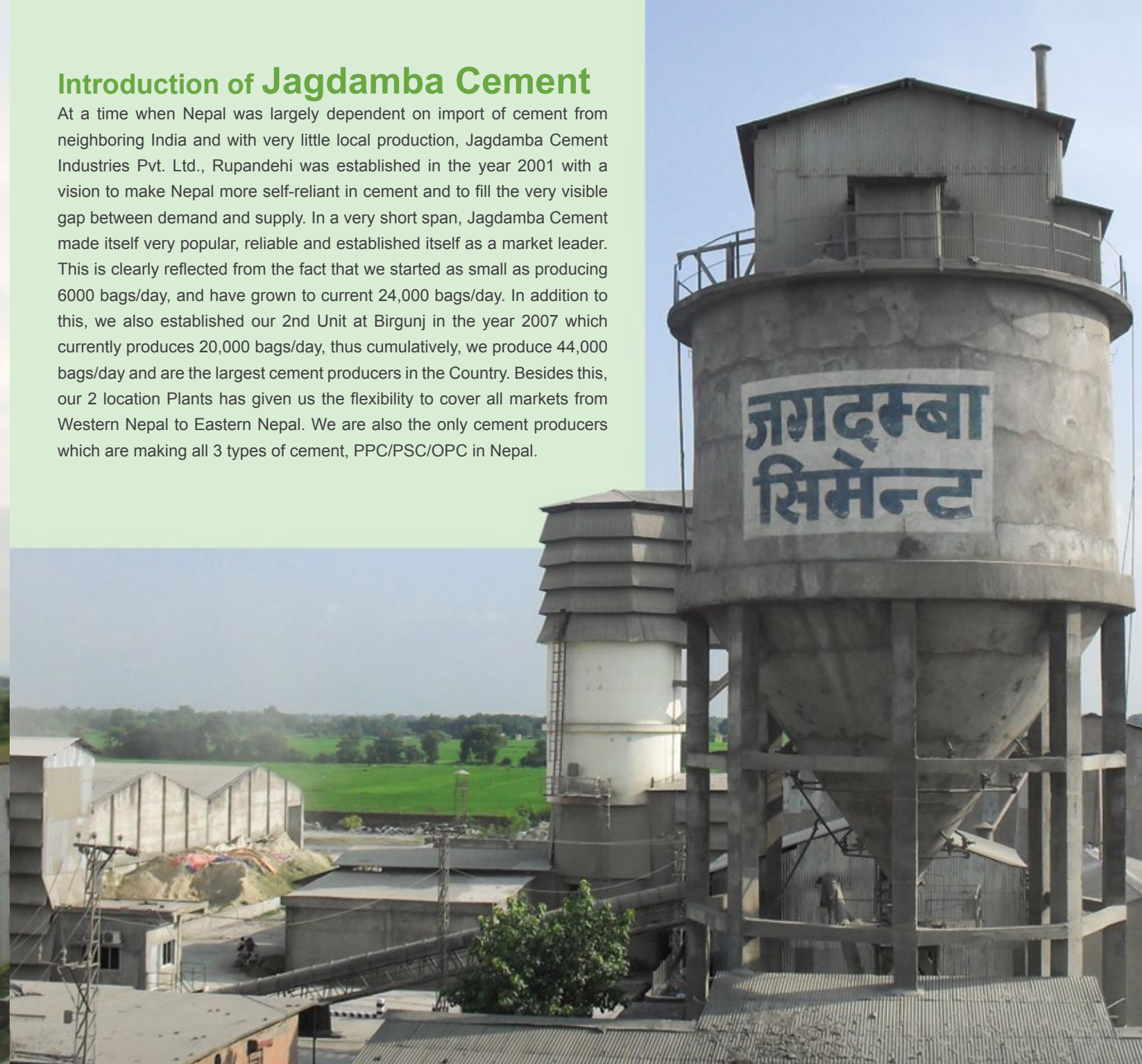
Certified Environmental
Management System



Shubhashree Jagdamba Cement Mills Pvt. Ltd., Birgunj

Introduction of Jagdamba Cement

At a time when Nepal was largely dependent on import of cement from neighboring India and with very little local production, Jagdamba Cement Industries Pvt. Ltd., Rupandehi was established in the year 2001 with a vision to make Nepal more self-reliant in cement and to fill the very visible gap between demand and supply. In a very short span, Jagdamba Cement made itself very popular, reliable and established itself as a market leader. This is clearly reflected from the fact that we started as small as producing 6000 bags/day, and have grown to current 24,000 bags/day. In addition to this, we also established our 2nd Unit at Birgunj in the year 2007 which currently produces 20,000 bags/day, thus cumulatively, we produce 44,000 bags/day and are the largest cement producers in the Country. Besides this, our 2 location Plants has given us the flexibility to cover all markets from Western Nepal to Eastern Nepal. We are also the only cement producers which are making all 3 types of cement, PPC/PSC/OPC in Nepal.



Jagdamba Cement Industries Pvt. Ltd., Bhairahawa

Introduction of Jagdamba Ultra Premium OPC Cement

Overcoming the conventional conviction of consumers that, high strength and quality OPC cement is not available in Nepal and one had to be completely depended on Indian OPC only, Jagdamba Cement took the initiative to introduce OPC cement, Jagdamba Ultra Premium OPC, which was appropriate for use in multi-storey or high-rise buildings, bridges, large irrigation projects, hydro-power dams and tunnels, hume-pipes, utility poles and more. After being able to prove itself in terms of quality consistency, timely delivery, value added services to the Projects or Institutions sales, the company opened up it's OPC marketing to general retailers all over Nepal thus bringing the consumer one step closer to availability of quality cement for constructions of their "dream house" or dream project.

Jagdamba Cement uses best quality raw materials like Clinker & Gypsum to produce it's OPC product. The Clinker is imported from manufacturers in India who also command a good reputation in OPC product in India as well as in Nepal. The in-house modern laboratories backed up by its experienced technicians and quality controllers, the company ensures that quality is given the highest priority and consistency. We have been accredited by Nepal Bureau of Standards and metrology by NS 49 for our OPC brands. Our both Units are an ISO 9001:2008 qualified companies and we are the only Company in Nepal currently (2013) to be using laminated cement bags for packing our cement which has multiple advantages for both the company and the consumer.

Why Jagdamba Ultra Premium OPC Cement?

- We use best quality of clinker while producing our OPC.
- Consistency in our quality assures the consumers/users no variation in quality.
- Using latest technology we ensure correct proportioning of Cao (Lime) in our OPC.
- We produce OPC from both our plants located at Bhairahawa and Birgunj, thus logistically we can compete to supply to any projects from West to East Nepal.
- Monitoring of quality being our high priority, besides our cement being tested locally in reputed laboratories of Nepal at regular intervals, our cement is also tested in India's most renowned Lab "NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS" under government of India.



Chemical Properties of Jagdamba Ultra Premium OPC Cement

S.N.	Test Parameters	Unit	*Obtained result	Requirement NS 49 (OPC Cement)	Requirement IS 12269-1987 (53 grade OPC)
1.	Calcium Oxide (CaO)	%	59.28	-	-
2.	Magnesium Oxide (MgO)	%	4.72	5 (max.)	6 (max.)
3.	Loss on Ignition	%	1.6	4 (max.)	4 (max.)
4.	Silica	%	20.3	-	-
5.	Sodium Oxide (Na2O)	%	0.02		
6.	Potassium Oxide (K2O)	%	0.8		
7.	Lime Saturation Factor		0.9	0.66 – 1.02	0.8 – 1.02
8.	Alumina to Iron ratio		2.1	0.66 min.	0.66 min.
9.	Insoluble Residue (IR)	%	1.15	2 (max.)	2 (max.)
10.	Alkali content	%	0.54		
11.	Sulphur trioxide (SO3)	%	2.5	3 (max.)	3 (max.)

Physical Properties of Jagdamba Ultra Premium OPC Cement

S.N.	Properties	Unit	*Obtained by Jagdamba Ultra Premium OPC	Requirement NS 49 (OPC Cement)	Requirement IS 12269-1987 (53 grade OPC)
1.	Fineness, Specific Surface Area (Blain, air permeability method)	Cm2 / Gram	3281	2250 (minimum)	2250 (minimum)
2.	Soundness (Le –chatelier method)	mm	1.00	10 (maximum)	10 (maximum)
3.	Setting time a) Initial b) Final	minutes	160 330	45 (minimum) 600 (maximum)	30 (minimum) 600 (maximum)
4.	Compressive Strength a) 3 Days (72 +- 1 hr) b) 7 Days (168 +- 2 hr) c) 28 Days (672 +- 4 hr)	Mpa (N/mm2)	32.6 42.0 55.8	16 (minimum) 22 (minimum) 33 (minimum)	27 (minimum) 37 (minimum) 53 (minimum)

Opinion of Project Authorities about Jagdamba Ultra Premium OPC Cement

Panchakanya Concrete Premix Pvt. Ltd.

"From 2008, Jagdamba and Shubhashree Jagdamba's quality brand Jagdamba Ultra Premium OPC Cement is used in our Ready-Mix Concrete to build our commercial and non-commercial constructions. We are satisfied with the quality consistency, easy availability, and uncompromised customer's service of the company. We wish them prosperous business ahead."



Aankhu River Hydropower Company Ltd.

"Jagdamba Cement's iconic brand Jagdamba Ultra Premium OPC Cement is used in the overall construction of Aankhu River Hydropower (8.4MW). In our two years long business relationship we are satisfied with the quality consistency of the brand. We plan to use Ultra Premium OPC Cement in our upcoming projects as well and strengthen our business relationship."



Bhat-bhateni Supermarket and Departmental Store

"We are proud to use Jagdamba Cement's Jagdamba Ultra Premium OPC cement in construction of our major project, supermarket, and departmental store. The consistency in quality and marketing management of product is strategically well managed. We are assured to use Ultra Premium cement in our future project as well."



CE Construction Pvt. Ltd.

"From the inception itself, we are working on RCC works in area of construction, consultancy, management, manufacturing, education, finance and health. We are proud to use Jagdamba and Shubashree jagdamba's premium brands Jagdamba Ultra Premium OPC cement in our construction since 2008. During this time span we were satisfied with the consistency in quality and regularity in the supply of the product. We look for the same service in future as well and wish for the golden days ahead."



Choice Humanitarian Nepal

"Since 2009, Jagdamba and Shubhashree Mills' premium brand Jagdamba Ultra Premium OPC cement is used in construction of our community and welfare projects. We are confident in the service and quality brand of the company."



Sharma and Company Pvt. Ltd.

"We are using Jagdamba Ultra Premium OPC Cement in our major construction to ensure best quality. We are confident in the quality consistency of Ultra Premium Cement and undoubtedly will use in future projects as well."





Constructed by Lama Construction, Lumbini area

Our Achievement

In short span of establishment, Jagdamba Cement Industries Pvt. Ltd., Bhairahawa and Shubhashree Jagdamba Cement Mills Pvt. Ltd., Birgunj are certified with ICS ISO 9001:2008. All the brands produced by Jagdamba Cement Industries are certified for quality and standards. Jagdamba PPC with NS. 385, OPC with NS. 49 and PSC with NS. 384. Both the plant of Jagdamba Cement is also certified with Environment Management System (EMS) 14001:2004.



NS. 49



NS. 384



NS. 385



AN ISO 9001 : 2008
CERTIFIED COMPANY



Certified Environmental
Management System



The products of Jagdamba Cement has also been used in prestigious, religious and historical constructions.



Uses of Jagdamba Ultra Premium OPC Cement

Jagdamba Ultra Premium OPC Cement is used in high strength construction like sky scrapers, commercial malls, houses, hydropower, dams, bridge, pipes, concrete poles, and sub-soils works of heavy machineries.

Projects Constructed using Jagdamba Ultra Premium OPC Cement

Project Name	Contractor / Consultant / Consumer
• Panchakanya Ready Mix, Jadibuti	Panchakanya Group
• Pre-fab Concret Udhyog, Thimi, Bhaktapur	T.B. Pradhanang
• Norvic Hospital, Thapathali	Chaudhary Group
• Bhatbhateni Super Market and Department Stores	Bhatbhateni Group
• Sikta Irrigation Project	Sino Hydro Lumbini J/V & Bhairab Construction
• Himalayan Bank- Corporate Tower	CTTC
• Ankhukhola Hydropower Project, Dhading	Ramechhap Sherpa Construction
• Grand Tower, Dhapasi	CE Construction Pvt. Ltd.
• Mukti Tower, Baneshwor	Prera Nirman Sewa
• Laxmi Steels Tower, Thimi	Tundi Construction
• Dynasty Cement Industries, Bhairahawa	Dynastry Cement Industries Pvt. Ltd.
• Sonapur Cement Industries, Dang	Sonapur Cement Industries, Dang
• Universal College of Medical Science & Teaching Hospital (UCMS), Bhairahawa	Bkoi Builders Pvt. Ltd.
• Ghorahi Cement Industries, Dang	Ghorahi Cement Industries
• Nepal Telecom, UTL, Ncell Tower Construction	Net-Infra Pvt.Ltd
• Lal Bakaiya and Nigadh Bridge Project	Jagat Nirman Sewa (Nepal Government Project)
• Silver City Apartment, Kalikasthan	Silver Valley Developers
• Cityscape Apartment, Hattiban	Chaudary Group
• Rio Apartment, Kupondol	CE Construction
• Horizon Parkview, Samakhushi	Varun Developers Pvt. Ltd.
• Melamchi Khanepani Project	Marushin Sitaka
• International Airport Project	Tundi Construction
• Dry Port, Kakarvitta	CJJC – Lama JV
• Tasks Hydropower, Pokhara	Marushin Sitaka
• Likhu Hydroelectricity Project	ANK Construction
• Lumbini Gumba, Lumbini	Lama Construction Company Pvt. Ltd.

- Chameliya Transmission Tower
- Sahakari Bhawan, Pulchowk
- Surkhet-Kalikot-Jumla Road Project

- Kaligandaki Bridge
- Arman & Singhai Hospital, Myadgi
- Prasuti Griha Hospital
- Chitwan Water Supply Project
- Asian Paints/ Berger Paints, Hetauda
- C.G Foods/ C.G Safari, Nawalparasi
- Sarbottam Cement, Sunwal
- Aarati Steels, Biratnagar
- Sivang Hydropower, Taplegunj
- Rastapati Bhawan, Lazimpat
- Downtown Housing/Appartment, Satdobato
- Road project at Baitadi, Bajura, Bhajhang
- Panchakanya S.S Pvt. Ltd., Thankot
- Hewa Khola Hydro Power
- Sipring Khola Hydropower
- Aadhikhola HPP/MaikholaHPP/ Bhairab Kunda HPP
- Narayanhiti Durbar Smarak
- Tourism Hotel, Thamel
- Bhairahawa – Lumbini Road Project
- Bridge Project at Birgung, Sarlahi, Kaliya
- Thori Bridge Project
- KMC Hospital, Sinamangal/Duwakot
- ICMODE Building, Satdobato
- Cancer Hospital/Bharatpur Hospital, Bharatpur
- Jiri Khola Hydro Power
- Siuri Khola HPP, Lamjung
- Tamakoshi Hydropower, Dolakha
- Bharatapur Transmission Tower
- Radhi Hydropower, Lamjung

Hulas Engineering, Anjila Construction, Sigma Con. Pvt Ltd

Aashis Jagrati Suruchi JV

Nagarjun Construction, Bajraguru Diwa JV, Surya Construction, Lama Builders Pvt. Ltd., Malla Construction, Golden Goods Sherpa Construction

Rasuwa Himdung & Thokar JV

Rafina & Construction

Mahadev Khimti/Munna & Acharya Construction

Sharma & Company

Sharma & Company

C.G Group

Sarbotam Cement Ind. Pvt.Ltd

Aarati Steels Pvt. Ltd.

Fewa Construction – Om sai Ram JV

Samantar Nirman Sewa

Downtown Housing

GIZ, ILRA

Panchakanya Group

High Himalayan Hydro Power

Lama Construction/ High Himalayan Hydro

Himal Hydro & General Construction Pvt.Ltd.

Bhoi-Sky Bagalamukhi JV / ANK Construction

Con-tech Pvt. Ltd

Sharma & Company, Contech Pvt. Ltd

SBA NirmanSewa

Rasuwa Construction Com.

Rasuwa Construction Com

ANK Construction

Prera Nirman Sewa

Bojni Hydropower Ltd

Nyadi Group

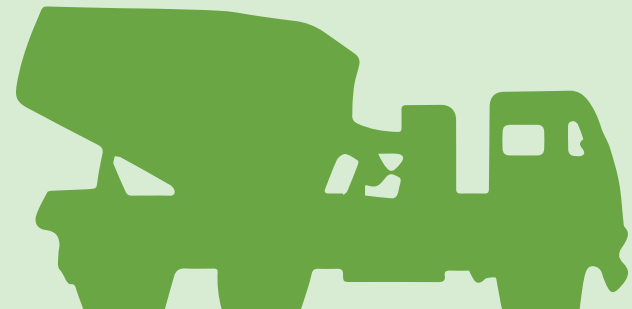
Sino Hydro

BP Construction / Hulas Engineering

Aashish Sakura Brothers JV



(Many other Commercial Buildings, Bridge Projects, Road Projects, Hydropowers from East to West)



Jagdamba Cement has qualified technicians and well equipped laboratories within the premises of its manufacturing unit. Jagdamba Cement Industries Pvt. Ltd. and Shubhashree Jagdamba Cement Mills Pvt. Ltd. imports all the required raw materials from India's prominent company which is physically and chemically tested in laboratories situated in factories before processing for the production. After production, to ensure the consistency of quality the product is continuously tested in governmental and non-governmental as well as national and international laboratories.

Laboratories within the premises of manufacturing unit



Physical Laboratories



Chemical Laboratories

National Laboratories



Central Material Testing Laboratory,
Department of Civil Engineering(IOE),
Pulchowk, Lalitpur



Central Road Laboratory,
Pulchowk, Lalitpur



Multi Laboratory Pvt. Ltd.,
Pulchowk, Lalitpur



Nepal Environment & Scientific
Services Pvt. Ltd.,
Prasutimarg, Thapathali

EMES Pvt. Ltd., Satdobato, Lalitpur

Aakara Lab Pvt. Ltd.,
Hattigauda, Kathmandu

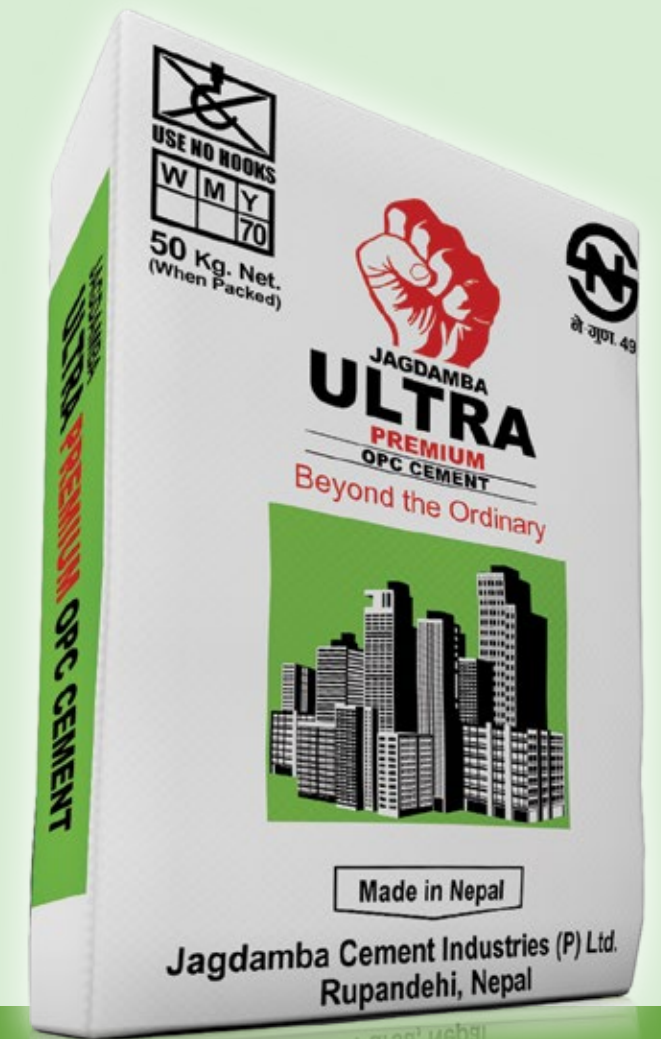
International Laboratories



National Test House (NR)



National Council for
Cement Building Materials



Test Certificates

मल्टी ल्याब (प्रा.) लिमिटेड
MULTI Lab (P) Ltd.

P.O. Box No. 5703, Kathmandu, Nepal
Tel: 98077-0148880
Fax: 98077-0142302
E-mail: multi@multi.com.np

MULTI Lab (P) Ltd.
(CEMENT TEST)

Date Supplied By Client Representative ()

Client Name: Jagdamba Cement Industries (P) Ltd.

Location: Tribhuvan, Kathmandu

Sample Type: Cement

Sample Brand: Ultra Premium OPC Cement

Observed Data:

Test Date:	2nd Dec 2013	
Tested By:	Mangy Subedi	
Checked By:	Naresh K. P.	
Confirmed By:	Dr. Ravi Krishna Poudel	
Description	Observed Data	Specification IS-Code: OPC
Consistency of Cement (%)	Normal Consistency	30.50 %
Setting Time of Cement (Min)	Initial Setting Time	130 min
	Final Setting Time	380 min
Compressive Strength of Cement (MPa)	3 days	28.24 MPa
	7 days	38.96 MPa
	28 days	53.67 MPa

Remarks:

Standard:
Set and Material Investigation, Testing/Grinding, Paving works, Laboratory Tests on Soil, Rocks, Mortars, Concrete, Cement Mortar Products, Engineering, Structural Investigations and Development/Design Concrete Pavement and Other Related Design and Construction Supervision works.

Shubha Shree Jagdamba Cement Mills P. Ltd.
(An ISO 9001:2008 certified Company)

Corporate Office: Hargreave Tower, 8th Floor, Tribhuvan, G.P.O. Box 2073, Kathmandu, Nepal
Tel: 4110300, 4110301, 4110302, Fax: 977-1-4110304, Email: cement@ssm.com.np

TEST CERTIFICATE

Date of Issue: 10-Nov-13

Date of Production: 9-Oct-13

Lab Temp: 26° C
Humidity (%): 48
Normal Consistency (%): 29.5
Sand: Standard Sand
Water: Distilled Water for Chemical Test
Tap Water for Physical Test

Cement Brand: Jagdamba Ultra Premium OPC Cement

Sl.	PARTICULARS	RESULT OBTAINED	REQUIREMENT AS PER IS 12580:1987	REMARKS
A. CHEMICAL REQUIREMENT				
1.	Loss on Ignition (L.O.I) (%)	0.83	0.80 to 1.02	
2.	Alumina Modulus - $\frac{2SiO_2}{Al_2O_3} + 1.2 \frac{Fe_2O_3}{Al_2O_3} + 0.65 \frac{CaO}{Al_2O_3}$	1.30	2.00 (Min)	
3.	Insoluble Residue (% by mass)	-	2.00 (Max)	
4.	Magnesia - MgO (% by mass)	3.15	6.00 (Max)	
5.	Sulphate As Hydrate - SO ₃ (% by mass)	1.90	3.00 (Max)	
6.	Total Loss on Ignition (S.O.I) (%)	2.35	4.00 (Max)	
B. PHYSICAL REQUIREMENT				
1.	Specific Surface (sq/m ²)	3050	2200 (Min)	
2.	Soundness			
a.	Le-Chatelier Method (mm)	1.25	10.00 (Max)	
b.	Autoclave Method (%)	-	0.80 (Max)	
3.	Setting Time (Minutes)			
a.	Initial	115	30 (Max)	
b.	Final	240	600 (Max)	
4.	Compressive Strength - (MPa)			
a.	7 days (28 days)	32.5	27.0 (Min)	
b.	28 days (28 days)	48.0	37.0 (Min)	
c.	56 days (28 days)	53.5	50.0 (Min)	

Analysed By: Approved By:

Factory: Chauri Chaudhary, Patan, Nepal, Tel: 001-580516, 580519

Jagdamba Cement Industries Pvt. Ltd.
(An ISO 9001:2008 certified Company)

Corporate Office: Hargreave Tower, 8th Floor, Tribhuvan, G.P.O. Box 2073, Kathmandu, Nepal
Tel: 4110300, 4110301, 4110302, Fax: 977-1-4110304, Email: cement@jag.com.np

TEST CERTIFICATE

Date of Issue: 14-Nov-13

Date of Production: 10-Dec-13

Lab Temp: 26° C
Humidity (%): 48
Normal Consistency (%): 29.5
Sand: Standard Sand
Water: Distilled Water for Chemical Test
Tap Water for Physical Test

Cement Brand: Jagdamba Ultra Premium OPC Cement

Sl.	PARTICULARS	RESULT OBTAINED	REQUIREMENT AS PER IS 12580:1987	REMARKS
A. CHEMICAL REQUIREMENT				
1.	Loss on Ignition (L.O.I) (%)	0.85	0.80 to 1.02	
2.	Alumina Modulus - $\frac{2SiO_2}{Al_2O_3} + 1.2 \frac{Fe_2O_3}{Al_2O_3} + 0.65 \frac{CaO}{Al_2O_3}$	1.4	2.00 (Min)	
3.	Insoluble Residue (% by mass)	1.17	2.00 (Max)	
4.	Magnesia - MgO (% by mass)	4.33	6.00 (Max)	
5.	Sulphate As Hydrate - SO ₃ (% by mass)	2.00	3.00 (Max)	
6.	Total Loss on Ignition (S.O.I) (%)	2.38	4.00 (Max)	
B. PHYSICAL REQUIREMENT				
1.	Specific Surface (sq/m ²)	3200	2200 (Min)	
2.	Soundness			
a.	Le-Chatelier Method (mm)	0.5	10.00 (Max)	
b.	Autoclave Method (%)	-	0.80 (Max)	
3.	Setting Time (Minutes)			
a.	Initial	120	30 (Max)	
b.	Final	280	600 (Max)	
4.	Compressive Strength - (MPa)			
a.	7 days (28 days)	34	27 MPa (Min)	
b.	28 days (28 days)	44	37 MPa (Min)	
c.	56 days (28 days)	55	51 MPa (Min)	

Analysed By: Approved By:

Factory: Ganshwa V.D.C., P. Rupaneshwari, Nepal, Tel: 071-632358, 632360

Letter of Commitment

Few words from the Executive Director

I am very thankful to all our Dealers, Distributors, & Clients who have trusted upon our product & services in order to make Jagdamba Ultra Premium OPC one of the leading OPC brands. Our commitment to provide quality & after sales service is perhaps our biggest strength. We understand the value behind creation of any construction and the vision a Client makes for his Project. This definitely has to be backed up by “reliable” quality work which is a result of not only perfect workmanship but use of correct materials including cement. As we progress in this journey, we will continue to improve our product & services with feedback we get from the users and not compromise on our quality of cement or the services we need to provide to a Client.

—Ajay Jatia

We Care For Customers

At Jagdamba cement we are obsessed and committed to give **best products and services**, to our Customers. In order to ensure Customers get the Best Value for their Trust on us, we have a **team of qualified engineers to attend customer need as and when required**.

CUSTOMER CAN REACH US ANYTIME BY DIALING OUR HELPLINE NO. **9801110345**

मन्त्रालय
Ministry of Physical Planning, Works and Transport Management
DEPARTMENT OF ROADS
CENTRAL ROAD LABORATORY
Chakrapati, Lalitpur

Phone No: 01-4200308
Fax No: 01-4200303

Ref No: 03

Date: 2070 05 09

Subject: Cement Test Result.

To:
Jagdamba Cement Industries Pvt Ltd.
Rupandehi

With reference to your letter dated 18 July, 2013, we are enclosing herewith cement test results of provided 1 bag of cement sample.

S. No.	Name of the test	Result	Age of cube (days)	Remarks
1.	Compressive strength of cement mortar cube (N/mm ²)			
	Cube no. 1	55.0	28 days	
	Cube no. 2	51.0	28 days	
	Cube no. 3	55.0	28 days	

Note: Samples are not taken by us. This report only represents the tested samples.
All Details have already been provided in previous letter.

Shree Raj Pant
(For Laboratory In-charge)
Lab. Laboratory In-charge

Soil Test (P) Limited
ENVIRONMENTAL ASSESSMENT & MATERIAL TESTING DIVISION
Bhatbhateni, Kathmandu, Nepal

Phone: 071-4470201
Fax: 071-4470202
Email: soiltest@soiltest.com.np

ANALYSIS REPORT

Client Name: Aarav Material Testing Laboratory P.Ltd.

Sample Name: Cement

Sample No: 3-470308

Reported Date: 20-04-19

Investigation: Soil on Ignition, L.O.I, Moisture

S.No.	Test Parameters %	Sample Name	S.S. Specification	Ordinary Portland Cement 43 grade
1.	Loss on Ignition (%) Max.	3.3	1.0	1.0
2.	Moisture	18.2	18.0	18.0
3.	Moisture	0.65	0.60	0.60
4.	Moisture	3.3	3.0	3.0
5.	Loss on Ignition (%)	0.91	0.71	0.65 to 1.02
6.	Insoluble Residue % Min.	1.9	2	2.0
7.	Moisture (H ₂ O) % Min.	1.8	1.1	0.65
8.	MgO % Min.	3.3	3	3
9.	SO ₃ % Min.	0.8	0.54	0
10.	SO ₃ % Min.	0.4	0.6	0

Note: To Results are valid only for unaltered samples.
To Samples, such as water and sand, will be destroyed after 7 days, other samples will remain for 30 days.
Checked By: Approved By:

Analysis of Soil, Water, Sand, Gravel, Rock, and Concrete, Construction Materials, Forestry, Product Development, Test of Pavements, Instrumentation, Monitoring & Evaluation, Public, Facilities, Research etc.

मन्त्रालय
Ministry of Physical Planning, Works and Transport Management
DEPARTMENT OF ROADS
JAGDAMBA CEMENT
Kathmandu, Nepal

Phone No: 01-4200308
Fax No: 01-4200303

TEST CERTIFICATE

Date of Issue: 14-Nov-13

Date of Production: 10-Dec-13

Lab Temp: 26° C
Humidity (%): 48
Normal Consistency (%): 29.5
Sand: Standard Sand
Water: Distilled Water for Chemical Test
Tap Water for Physical Test

Cement Brand: Jagdamba Ultra Premium OPC Cement

Sl.	PARTICULARS	RESULT OBTAINED	REQUIREMENT AS PER IS 12580:1987	REMARKS
A. CHEMICAL REQUIREMENT				
1.	Loss on Ignition (L.O.I) (%)	0.85	0.80 to 1.02	
2.	Alumina Modulus - $\frac{2SiO_2}{Al_2O_3} + 1.2 \frac{Fe_2O_3}{Al_2O_3} + 0.65 \frac{CaO}{Al_2O_3}$	1.4	2.00 (Min)	
3.	Insoluble Residue (% by mass)	1.17	2.00 (Max)	
4.	Magnesia - MgO (% by mass)	4.33	6.00 (Max)	
5.	Sulphate As Hydrate - SO ₃ (% by mass)	2.00	3.00 (Max)	
6.	Total Loss on Ignition (S.O.I) (%)	2.38	4.00 (Max)	
B. PHYSICAL REQUIREMENT				
1.	Specific Surface (sq/m ²)	3200	2200 (Min)	
2.	Soundness			
a.	Le-Chatelier Method (mm)	0.5	10.00 (Max)	
b.	Autoclave Method (%)	-	0.80 (Max)	
3.	Setting Time (Minutes)			
a.	Initial	120	30 (Max)	
b.	Final	280	600 (Max)	
4.	Compressive Strength - (MPa)			
a.	7 days (28 days)	34	27 MPa (Min)	
b.	28 days (28 days)	44	37 MPa (Min)	
c.	56 days (28 days)	55	51 MPa (Min)	

Analysed By: Approved By:

Factory: Ganshwa V.D.C., P. Rupaneshwari, Nepal, Tel: 071-632358, 632360



"Jagdamba Cement has been contributing in social sectors."



Customer Helpline No. : 9801110345

Jagdamba Cement Industries Pvt. Ltd.
Gonaha-7, Bhairahawa, Rupandehi, Nepal
Phone: 071-412041, 412045, 412046
Email: jcipl@ntc.net.np

Corporate Office
Neupane Tower, Tinkune, Kathmandu
Phone: 01-4111500, 4111550, 4111633
Fax: 01-4111634, Email: jcement@wlink.com.np

Shubhashree Jagdamba Cement Mills Pvt. Ltd.
Chatapipra Chorni-4, Parsa, Nepal
Phone: 051-580250, 580510
Fax: 01-580510, Email: ssjcm@wlink.com.np

www.jagdambacement.com