



WELCOME

**CG -
INDUSTRIAL MOTORS**

Site: www.cglonline.com

Contact: sajal@cgl.co.in

 **Crompton
Greaves**
EVERYDAY SOLUTIONS



A Leader in Electric motors

Crompton Greaves is the leader in drive technology for over 65 years. Being the largest manufacturer of LT Motors in India we manufacture the largest range of AC and DC motors from 0.05kw to 10,000kw in various standard and customised configurations, which meet the most demanding specification for Industries

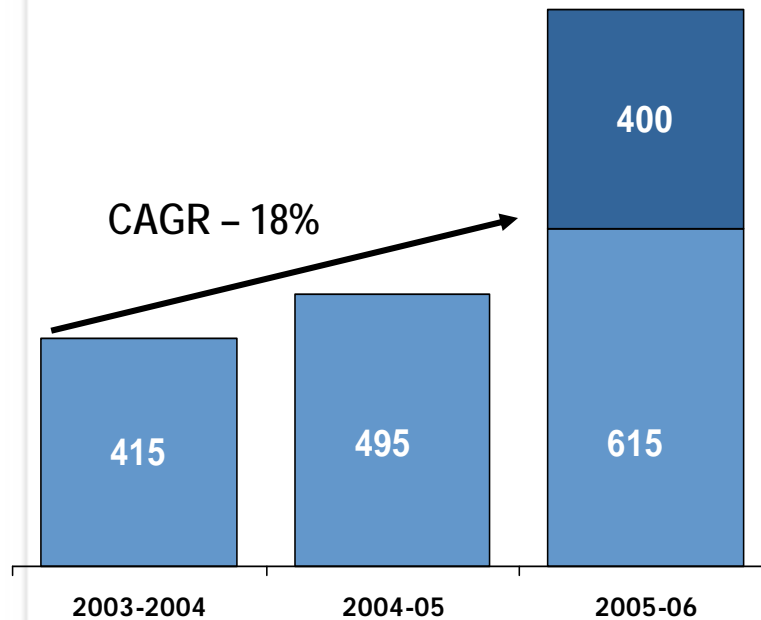


BRIEF HISTORY

- 1927, UK** Crompton & Co. Ltd (erstwhile R.E.B Crompton & Co.) merged with F&A Parkinson Ltd., a reputed manufacturing company, to form Crompton Parkinson Ltd., UK
- 28th April 1937, India** *Incorporation of CG*
Crompton Parkinson Ltd., UK, set up Crompton Parkinson (works) Ltd., (CPWL) at Bombay, India to manufacture ceiling fans and **AC Induction motors**. CPWL was a wholly owned subsidiary of Crompton Parkinson Ltd.
- 7th June 1937, India** Greaves Cotton & Crompton Parkinson Ltd (GCCPL) was formed as an equal joint venture between Greaves Cotton & Co. Ltd & Crompton Parkinson Ltd., UK for marketing CPWL's products
- 1937 – 1956** Greaves Cotton & Co. Ltd gradually increased it's interest in CPWL to 50%. Thus they became 50% partners in CPWL (the manufacturing company) as well
- 2nd August 1966** *Change of Name*
CPWL merged with GCCPL to form Crompton Greaves Ltd., (CG) as we are known today. Up to 1966, Crompton Parkinson Ltd. And Greaves Cotton & Co. Ltd. Each held 50% of share holding in CG

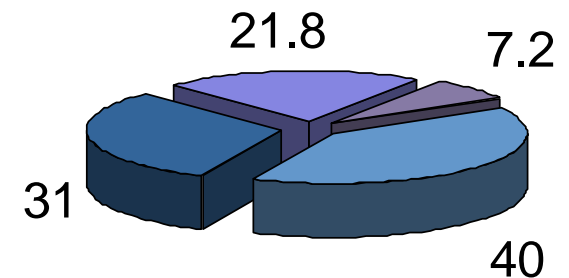
COMPANY BUSINESS

TOTAL SALE - US\$ m



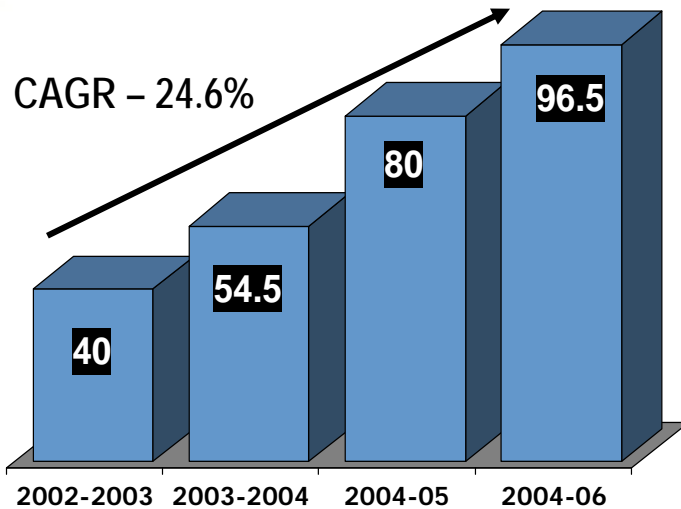
SHARE OF BUSINESS GROUPS

- POWER SYSTEM
- CONSUMER PRODUCT
- INDUSTRIAL SYSTEM
- DIGITAL

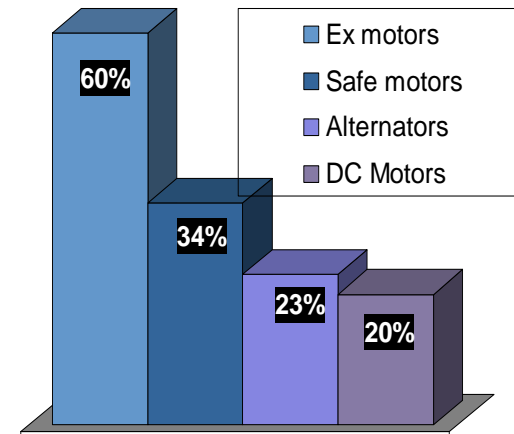


LT MOTORS BUSINESS

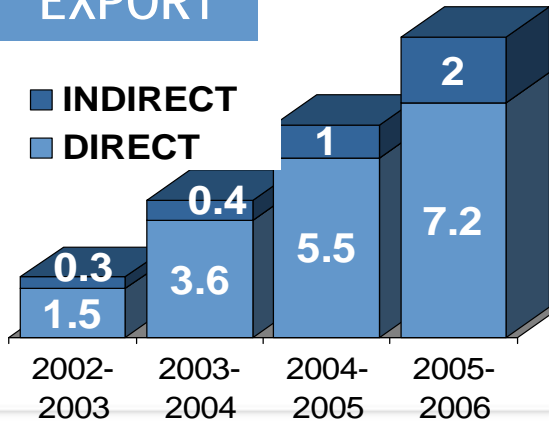
SALE - US\$ m



MARKET SHARE IN INDIA



EXPORT



MANUFACTURING RANGE – LT MOTORS

AC MOTOR

IEC– 0.18 KW - 450 kW,
NEMA EPAct – 1HP - 250HP

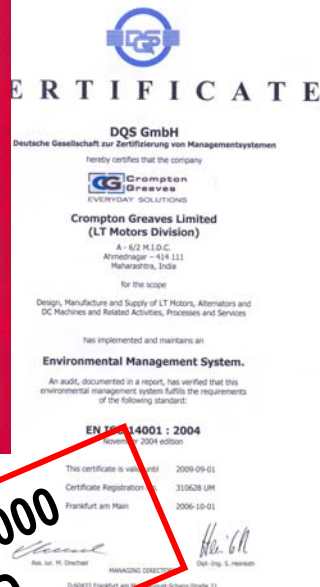
DC MACHINE

Frame 100 TO 280
2.2KW - 450kW Laminated Yoke - Under License
of **SIEMENS**
Frame 802 TO 810, Mill Duty

Frame 315 TO 630 500 TO 1500kW Lam Yoke
Frame 812 TO 818 Mill Duty

ALTERNATORS

5 KVA - 625KVA BRUSH LESS
5KVA – 83KVA – WITH BRUSH



**ISO 9000 & 14000
CERTIFIED**

MANUFACTURING FACILITIES - MOTORS

LT MOTORS & GENERATORS

540 people
1000 Motors / day
60 alternator / day
6 DC machine / day



AHMEDNAGAR – 100000 M2 Area



GOA – 3000 M2 Area

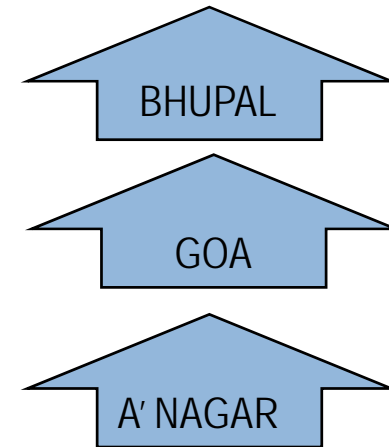
HT MOTORS & GENERATORS

450 people 50 Motors / Month

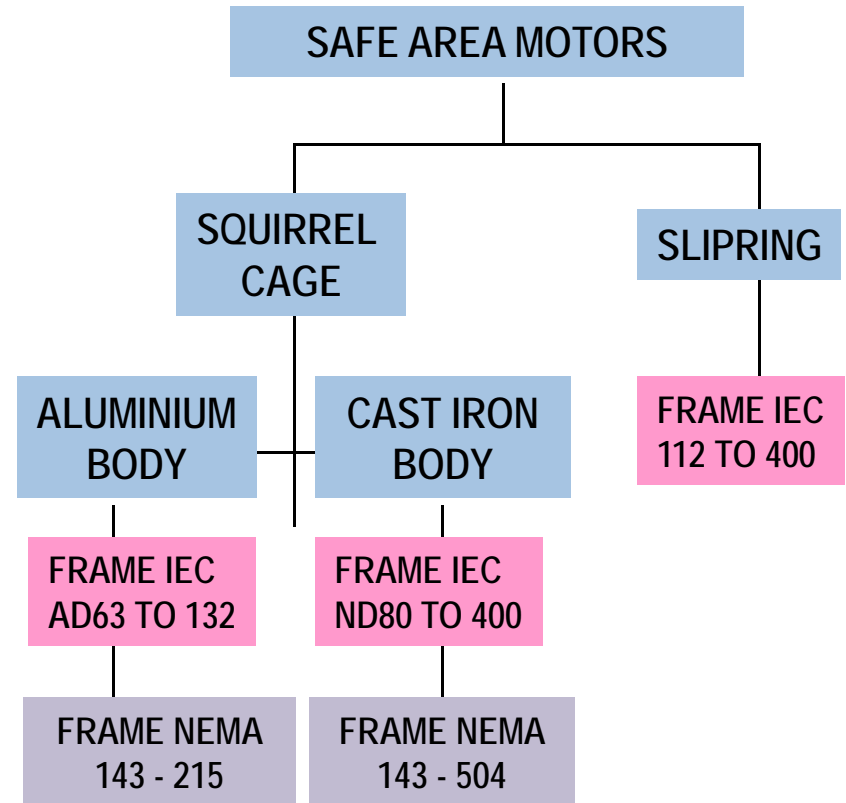
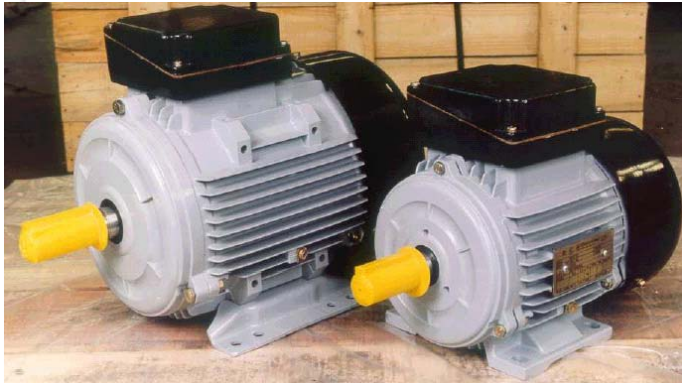
FRACTIONAL HP MOTORS 200 people

**JOINT
VENTURES**

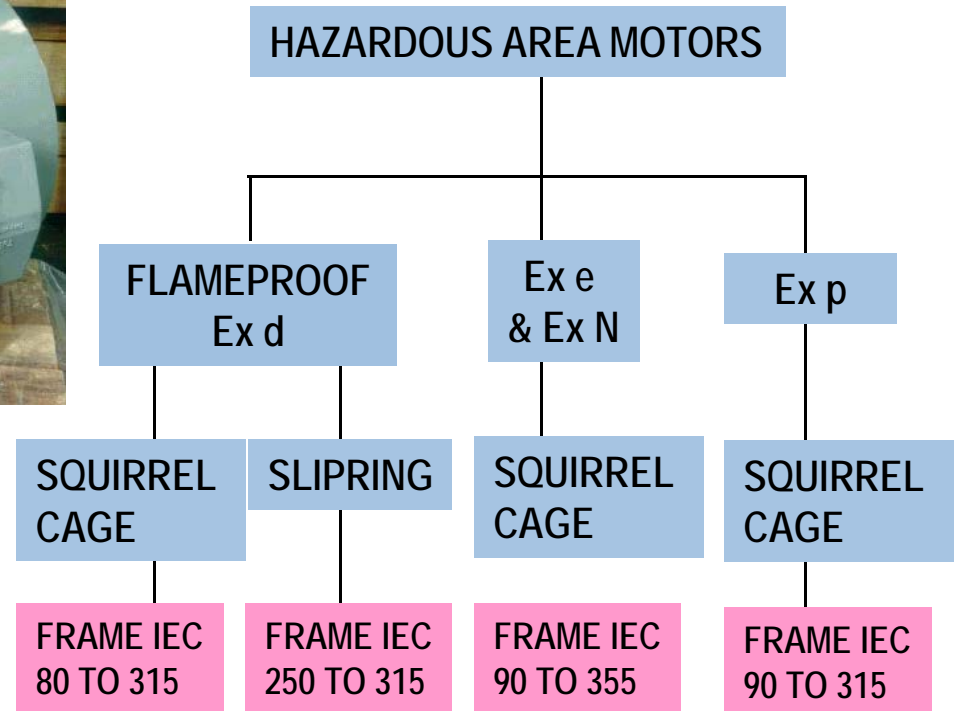
BCG-- with Brook Crompton
EFF1 LT motors (up to 132 fr.)



RANGE – LT MOTORS



RANGE – LT MOTORS



LT MOTORS – TOTAL PRODUCT OFFER

RANGE

MOTOR TYPE	IEC FRAME SIZE	Output KW
Aluminium motors	63 - 132	0.37 – 9.3 kW
Cast iron motors	80 - 400	0.55 - 350 kW
Hazardous area motors Ex d	80 -315	0.55 - 225 kW
Hazardous area motors EX e & Ex N	80 - 355	0.55 - 350 kW
Wound rotor motors in TEFC / ODP	112 – 400	1.1 – 300 KW
Open drip proof motors (IP 23)	160 - 355	5.5 – 400 KW
Brake motors	63 - 225	0.18 - 45 kW
NEMA motors	143 – 504 NEMA FRAME	1 - 250 HP

SPECIAL TYPES / ALTERNATIVES

DEFINITE PURPOSE INVERTER DUTY MOTORS	MOTORS FOR TIMBER DRYING
MOTORS FOR ROLLER TABLE DRIVES	SINGLE PHASE MOTORS
MOTORS FOR CRANE DUTY WITH HIGH No. OF STARTS/ STOPS	
FAN APPLICATION WITH SPECIAL THRUST BEARINGS	
CHEMICAL DUTY MOTORS AS PER IEEE 841	

TEFC RANGE – STANDARD FEATURES

FRAME

ALUMINIUM 63 - 132

CAST IRON 80 - 355

- Superior quality
- Global presence
- The complete solution
- Years of reliable and dependable operation
- Outstanding Support

VOLTAGE VARIATION - +/- 10%

FREQUENCY VARIATION - +/- 5%

50 DEG. C. AMBIENT

CLASS F INSULATION WITH CLASS B TEMP. RISE

IP55 PROTECTION

ENERGY EFFICIENT CEMEP-2 LEVEL. ALSO CONFORMS TO ASNZS 1359-102-1

LOW NOISE & LOW VIBRATION

DOUBLE CAGE ROTOR - HIGH STARTING TORQUE

MEDIUM SERIES SAME SIZE BEARINGS AT BOTH SIDES FOR 200 TO 355 FRAME

DOUBLE DECKER TERMINAL BOX (160 TO 355 FR.)

ALSO AVAILABLE IN NEMA FRAMES

EPACT NEMA RANGE

FRAME

ALUMINIUM 143-215

CAST IRON 143-504

- Superior quality
- Global presence
- The complete solution
- Years of reliable and dependable operation
- Outstanding Support

**ALSO AVAILABLE IN IEC
FRAME 90 TO 315**

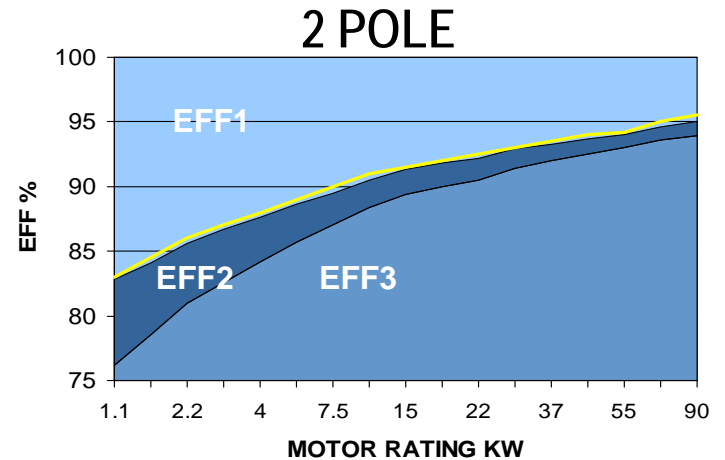
- **Cast iron frames are with integrally cast feet** assure better than NEMA's allowable vibration limits
- **NEMA design B performance**; all ratings meet or exceed **EPACT** efficiency standards
- **Oversized conduit box**, diagonally split and 90° rotatable for quick and easy connection
- **Stainless steel nameplate, zinc plated hardware and alkyd enamel finish**, all to ensure superior resistance to rust and corrosion
- **Class F non-hygroscopic insulation system** with Class B temperature rise at 1.0 S.F.
- **Standard 1.15 service factor** to provide extra margin of thermal life.
- **Dynamically balanced pressure die-cast aluminum rotor** reduces overall vibration (Double cage in higher frames)
- **Low inertia rotor design** for faster response time in adjustable speed applications and faster acceleration over a wider speed range
- **Oversized and regreasable bearings** for long lasting operation
- **Stock modifiable**, 230/460V. Also available in 575V in entire range



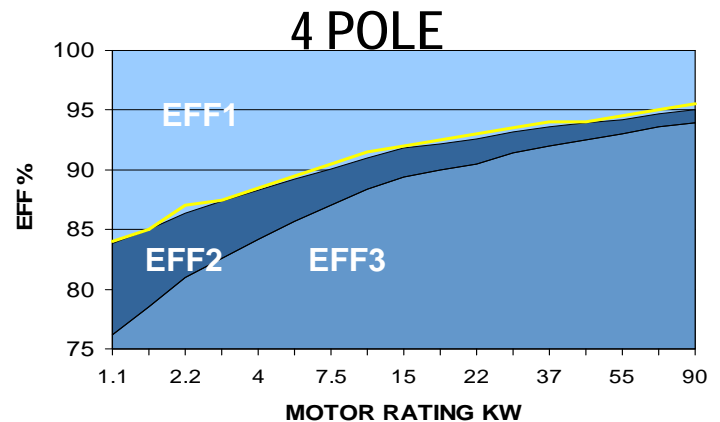
Motors for EU efficiency level 1

CG is one of few motor manufacturers to have a motor range to meet or exceed the minimum efficiencies stated in the highest level of the EU agreement.

These efficiency levels apply to 2, 4 pole, 3phase sq cage induction motors rated for 400V, 50Hz with output 1.1 to 90 kW



CG EFF1





FLAMEPROOF (EEX d) RANGE

- STANDARD FEATURES

FRAME 80 - 315

- Superior quality
- Market leader in India
- Approved by BASEEFA & EECS – UK
- Robust design for rugged duty in Chemical Plants and Coal / Oil Mines

ALSO AVAILABLE IN NEMA FRAMES

VOLTAGE VARIATION - +/- 10%

FREQUENCY VARIATION - +/- 5%

45 DEG. C. AMBIENT

CLASS F INSULATION WITH CLASS B TEMP. RISE

IP55 PROTECTION

EXd IIB T4 SUITABILITY

ENERGY EFFICIENT CEMEP-2 LEVEL. ALSO CONFORMS TO ASNZS 1359-102-1

LOW NOISE & LOW VIBRATION

DOUBLE CAGE ROTOR - HIGH STARTING TORQUE

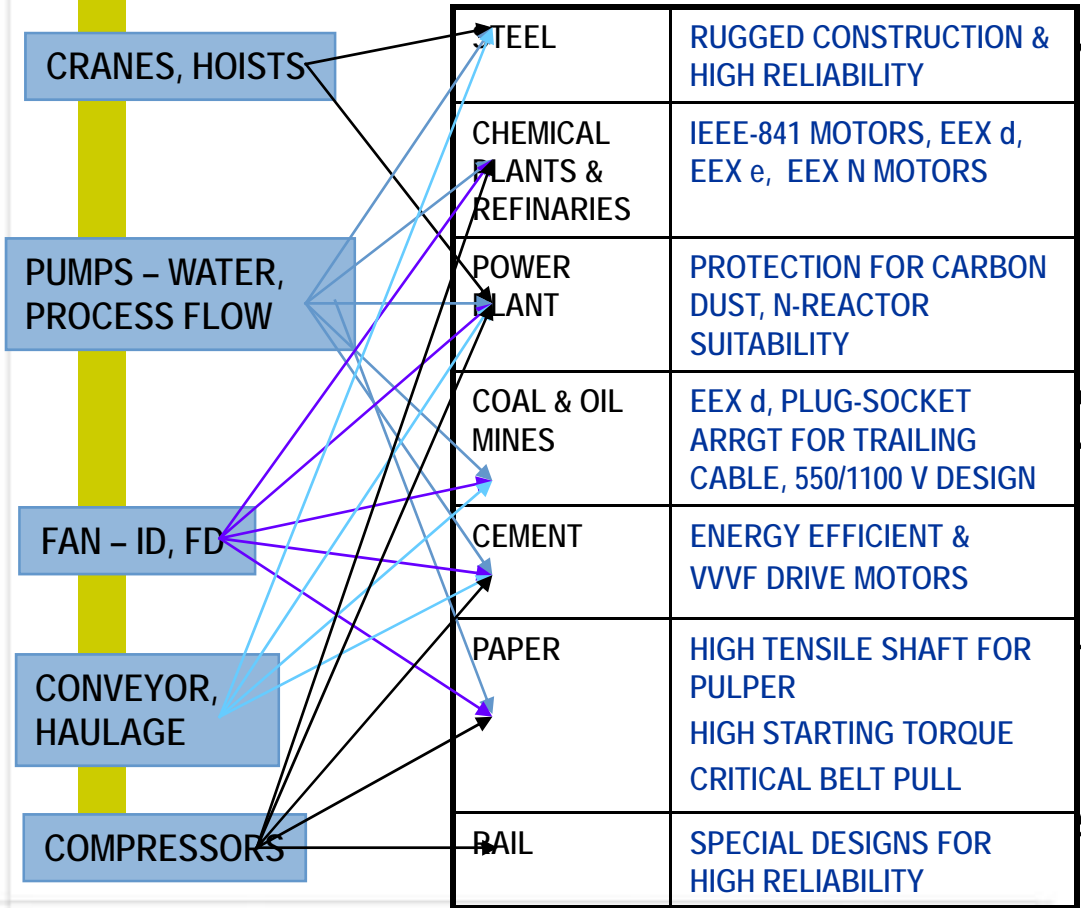
MEDIUM SERIES SAME SIZE BEARINGS AT BOTH SIDES FOR 160 TO 355 FRAME

DOUBLE DECKER TERMINAL BOX (160 TO 355 FR.)

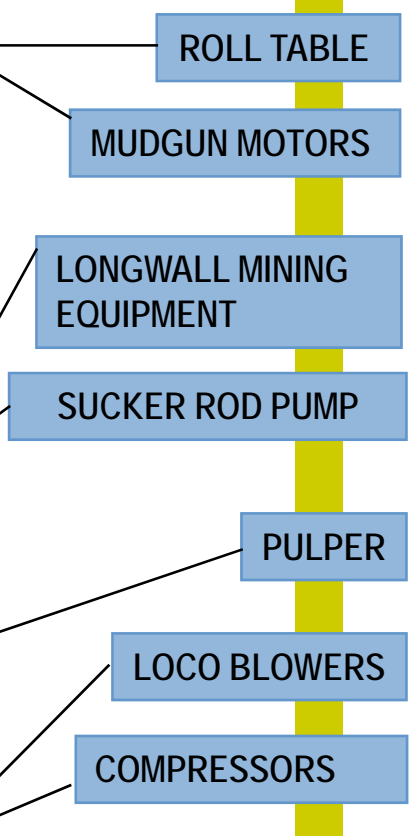
CORROSION RESISTANT EPOXY FINISH PAINT

MOTORS FOR EVERY USE

STANDARD+ RANGE



SPECIAL RANGE



CERTIFICATES & APPROVALS - INTERNATIONAL

SAFE AREA MOTORS



CSA:100-95 UL1006
NEMA & IEC RANGE



CSA:390-93 & DOE FOR
NEMA & IEC RANGE ENERGY EFFICIENT
UP TO 100HP



CE MARK
NEMA & IEC RANGE

HAZARDOUS AREA MOTORS



BASEEFA APPROVAL & EECS License
FOR EEX d IIB,
FRAME IEC 80 TO 315
ATEX CERTIFICATION



IECEX CERTIFICATE FOR EX e

STRENGTHS

THE PRODUCTS THAT IS BUILD.....



Compliance to specification

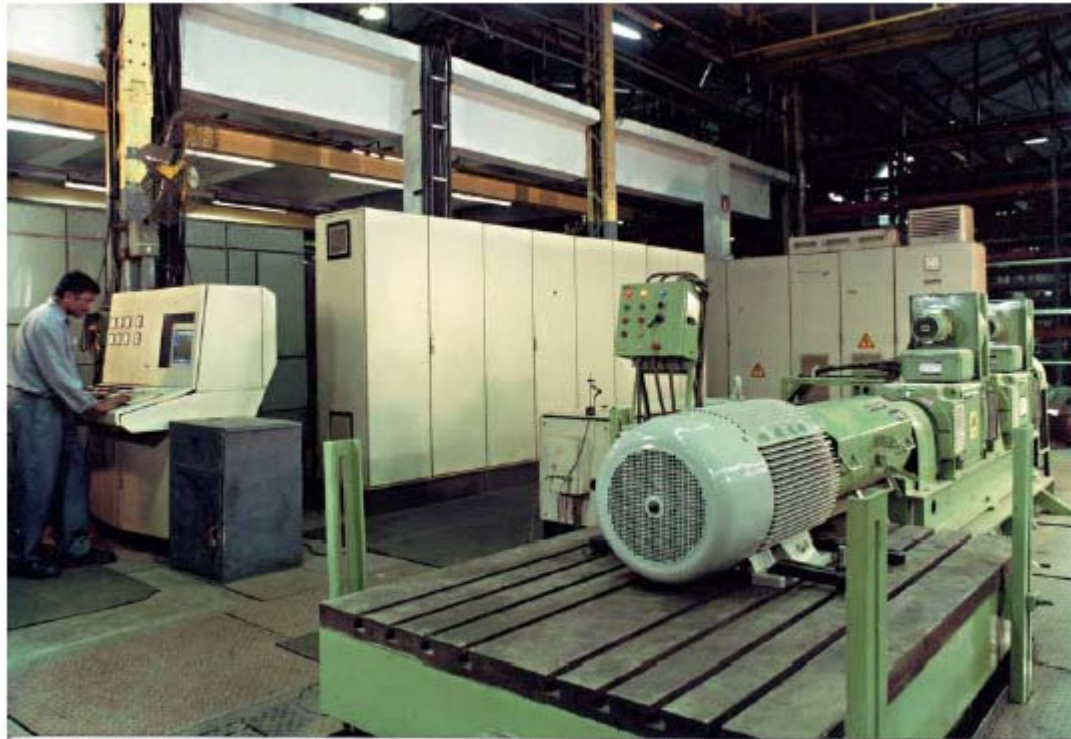
- Compliant with applicable standards, IEC, ISO, DIN/VDE, CSA, IEEE, NEMA, BASEEFA and others.

Quality – exceeding expectations

- Low Noise level / Low vibration level / High efficiency / High Torque / Longer insulation life / Low temperature

STRENGTHS

THE FACILITIES THAT BUILTS.....



Fully computerized Test Plan for Testing of motors as per IEEE-112 Method B (direct measurement of Stray Load loss)

Capacity – 300kw

STRENGTHS

THE FACILITIES THAT BUILTS.....



**Auto Winding line and trickle
impregnation – upto 250 frame
VPI Impregnation as standard for
280 & above frame**

STRENGTHS

**THE COMPANY
THAT BUILDS.....**



know-how, experience and presence

- 60 years' experience of motor design and manufacture makes it a solution provider.
- Presence worldwide in all key markets

Responsibility towards customer

- Continuously reviewing Customer's needs and wishes.
- Designing motors for future needs.

High-grade documentation

- A comprehensive bank of Electronic documentation on CD-ROM or via e-mail.
- Tailor-made documentation on request.

Commitment to service

- Worldwide service organization and spare parts availability.

Believes in Research

- Full fledged central R&D at Mumbai. More than 200 highly qualified professional is continuously engaged in developing new technology for the products process and materials

EXPORTS WORLD WIDE



MAJOR WORLD WIDE CONSULTANTS, PROJECT CONTRACTORS – WORKED WITH



KVAERNER

ALSTOM

BECHTEL

CHEMTEX

DAELIM

JACOBS H&G

JGC CORPORATION – JAPAN

PETROFAC

SAMSUNG

TOYO ENGINEERING

UHDE

MOTOR SUPPLIED IN MAJOR PROJECTS - Recent past

COUNTRY	CUSTOMER	TYPE OF MOTORS	APPROX. QTY & RATING	SUPPLIED IN
OIL & GAS				
Kazakhstan	Ayrau Refinery reconstruction Contractor - JGC (Japan Gas Corp.)	Ex e (CSA certified) + VF Drives	150 motors up to 132kw	2004
Kuwait	KOC (Kuwait Oil Corp) – Thro Sulzer GmbH	Ex d (ATEX certified)	16 motors up to 110kw	Under Execution
FERTILIZER				
Jordan	Indo-Jordan Chemicals	Safe Area	300 motors up to 150kw	1995
Syria	General Fertilizer Company	Safe Area	33 motors up to 315kw	Under Execution

MOTOR SUPPLIED IN MAJOR PROJECTS - Recent past

COUNTRY	CUSTOMER	TYPE OF MOTORS	APPROX. QTY & RATING	SUPPLIED IN
FIBRE & RAYON				
Egypt	Alexandria Fibre Co. SAE	Safe area & Ex d (ATEX certified)	230 motors up to 132kw	2004, 2005
Egypt	Alexandria Carbon Black	Safe area	26 motors up to 160kw	2004
Thailand	Thai Acrylic	Safe area & Ex d	116 motors Up to 75kw	2004, 2005
Indonesia	PT Indo Bharat	Safe area, VFD operated	280 motors supplied + 240 motors on order up to 225kw	2004, 2005
Indonesia	PT South pacific Viscose	Safe Area	25 motors	2004, 2005

MOTOR SUPPLIED IN MAJOR PROJECTS - Recent past

COUNTRY	CUSTOMER	TYPE OF MOTORS	APPROX. QTY & RATING	SUPPLIED IN
FIBRE & RAYON				
Kenya	Athi River Mining	Safe Area	122 motors up to 325kw	2004, 2005
Congo	Marsavco	Safe Area	450 motors up to 110kw	2004
Dubai	Binani Cement	Safe Area	60 motors up to 150kw	2002
Nepal	Maruti Cement	Safe Area	90 motors up to 350kw	Under Execution
STEEL				
Kenya	Accurate Steel	Safe Area	12 motors up to 22kw	2005
Azerbaijan	Baku Steel	Safe Area	50 motors Up to 355kw	1998-2005

MOTOR SUPPLIED IN MAJOR PROJECTS - Recent past

COUNTRY	CUSTOMER	TYPE OF MOTORS	APPROX. QTY & RATING	SUPPLIED IN
PAPER				
Bangladesh	Shahjalal Newsprint	DC Machine	7 motors up to 315kw	2003-2005
Dubai	Emirate Papers	Safe Area	58 motors up to 180kw	2004-2005
Bangladesh	Basundhara paper mills	DC Machine	2 motors up to 305kw	2003
UAE	Union Paper Mill	DC Machine	2 motors up to 130kw	2004
MINING				
South Africa	CFW Industry	Safe Area	198 motors – up to 150kw	2001-2002

LIST OF SHELL PROJECTS - MOTORS SUPPLIED

COUNTRY	CUSTOMER	TYPE OF MOTORS	APPROX. QTY & RATING	SUPPLIED IN
INDIA	RELIANCE INDUSTRIES LTD - JAMNAGAR	EX e, Ex d, SAFE AREA	5000 motors up to 250 kw	2001-2005
INDIA	HPCL	EX d, Ex e	MORE THAN 4000 MOTORS IN VARIOUS REFINERIES IN INDIA	SINCE 1995
KUWAIT	KOC	EX d	16 MOTORS THRO' SULZER PUMPS – GERMANY	UNDER EXECUTION
MALAYSIA	BASF PETRONAS	EX d	45KW MOTOR	UNDER EXECUTION

IMPORTANT CLIENT APPROVALS in OIL & GAS



ش. م. م شركة تنمية نفط عمان
Petroleum Development Oman LLC

P.O. Box 81, Postal Code 113 Muscat, Sultanate of Oman
Telex : 5212 Petro ON Facsimile : 677106, 675093
Tel. 67 Cable : Petro Muscat

ص. ب. ٨١ الرمز البريدي ١١٣ مسقط، سلطنة عمان
تلكس: ٦٧٥٠٩٣، ٦٧٧١٠٦ فاكس: ٦٧٥٠٩٣، ٦٧٧١٠٦
هاتف رقم: ٦٧ برقية: بترول مسقط

CERTIFICATE OF REGISTRATION - MATERIAL VENDOR

Cert. No. **102261** Date of Issue: **17/10/2005**

PETROLEUM DEVELOPMENT OMAN LLC

CERTIFIES THAT:

Manufacturer : CROMPTON GREAVES MOTORS
CG INTERNATIONAL
Country of Origin : INDIA
Local Representative/Agent : MOHAMED & AHMED AL KHONJI LLC
Address : P.O. BOX 73, PC 113
MUSCAT,
SULTANATE OF OMAN

IS REGISTERED WITH THE COMPANY AS AN APPROVED MATERIAL VENDOR
WITH EFFECT FROM THE DATE OF ISSUE OF THIS CERTIFICATE.
FOR THE FOLLOWING MATERIAL GROUP CATEGORIES:

ELECTRICAL

AVME 4.7 - ELECTRIC MOTORS (66...) - SSI 65AAAA 26 10 16 ELECTRIC MOTORS, GENERAL
AVME 4.7.1 - GENERAL (66...) - SSI 66AAAA 26 10 16 AC, U.P.S. SYSTEMS, STATIC
(65AAAA, LT motors only)

MAHMOUD AL-LAWATIA - FPS
HEAD BUSINESS DEVELOPMENT

PDO (Petroleum Development Oman) - OMAN

شركة نفط الكويت



شركة نفط الكويت (ك.س.ك.)

KUWAIT OIL COMPANY (K.S.C.)

F - 2447 (A)

MAIN OFFICE :
P. O. B. 9758
61008 Ahmedi, Kuwait
Tel. : (965) 398 9111
O - 120
Fax : (965) 398 3961
Web : www.koc.com.kw
G. M. No. 21425

المكتب الرئيسي
ص. ب. ٩٧٥٨
الكويت ٦١٠٠٨
الهاتف: (٩٦٥) ٣٩٨ ٩١١١
فاكس: (٩٦٥) ٣٩٨ ٣٩٦١
موقع شبكة الانترنت:
http://www.koc.com.kw
الرجسٹریشن التجارية: ٢١٤٢٥

TO: M/s. Crompton Greaves Ltd.
India
Fax No. 00 91 241 2777508

DATE: 27th July 2004
MSG. NO.: PQF/0695/2004
Total No. of Pages: 1

FROM: Team Leader Purchasing II
Commercial Affairs Group
P.O. Box - 8788
81008 Ahmedi, Kuwait
Fax No.: (965) 3986034

SUBJECT: **NOTIFICATION OF VENDOR APPROVAL**

OUR REF: **VEC/EE/M/022/2004**

Dear Sirs,

We are pleased to inform you that you have been approved for inclusion in KOC's Approved List of Manufacturer for the product category and manufacturing facility mentioned here below:

PRODUCT CATEGORY: **MOTORS (LT MOTORS ONLY)**
FACILITY ADDRESS : **M/S. CROMPTON GREAVES LTD.
LT MOTOR DIVISION, A/6-2 MIDO
AHMEDNAGAR - 414 111
INDIA**

Validity : **From 27th July 2004 to 26th July 2009 (5 years)**

This notification of Approval is issued subject to the following, failing which liable for cancellation at any time at the discretion of KOC.

- To update regularly with the latest product catalogue / Informations.
- To furnish Budgetary Quotations as & when requested.
- To furnish Audited financial details for every two years.
- To update with latest contact details / Change in Local Agent.
- To update with Name Change / Merging / Factory Shifting.

Sincerely,
for Kuwait Oil Company

Faleh Mohd. Al-Ajmi

Copy to: M/s. Fawaz Refrigeration & Air Conditioning Co., Kuwait Fax No - 5715297

KOC (Kuwait Oil Corp) - Kuwait



IMPORTANT PROJECT ORDERS

JGC CORPORATION (INCORPORATED IN JAPAN)
(NKKK)K.K.

Yokohama World Operations Center
3-1, Minato Mirai 2-chome,
Nishi-ku, Yokohama 220-6001,
JAPAN

TELEPHONE : FAX : 031550

A-6/2 MIDC, AHMEDNAGAR - 414 111, INDIA

MR. SAJAL MUKHERJEE
Tel: 91-241-277371 Fax: 91-241-277509

DESCRIPTION OF PROJECT :
MOTORS

PURCHASE ORDER

VENDOR

Sheet No. 1 of 2

JGC Code: 0-2490-20-9000
Order No: 0-2490-P-2158-305-A
Issue Date: 17-OCT-2003

CURRENCY: (USD) UNITED STATES DOLLAR

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
					96,645.00
					0.00
					96,645.00

You are requested to supply the following materials (herein called the "Materials") and/or services on the terms and conditions indicated in this Purchase Order.

JGC ORDER FOR REFINERY RECONSTRUCTION - KAZAKHSTAN -

Type e MOTOR (CSA certified) and Inverter drive panels

Project	ATYRAU REFINERY RECONSTRUCTION PJ		
Final Delivery Date	30-NOV-2003	Inspection	As Per Requisition
Requisition No.	R-2158-905	(0)	
Proposal No.	260803	dated 26-AUG-2003	
Trade Terms	FOB MUMBAI INCOTERMS 2000		
Addressee of Invoice	N. ARATSUKA, PROJECT PROCUREMENT MANAGER PROCUREMENT DEPT., ENERGY PJ DIV.		
Terms of Payment	SEE "NOTE"		
Other Conditions(1)	Vendor shall not assign or pledge this Order or any part hereof or any amounts due hereunder without the prior written consent of JGC.		
Other Conditions(2)	See Note		

- Remarks : (1) Please confirm your acceptance of this Purchase Order by signing the attached Acceptance of Purchase Order and returning it to us.
(2) The Order No. and Item No. must appear on all correspondences.
(3) Applicable documents to the Order are shown in the "NOTE" of this Purchase Order Form.

by Kentaro Ishii
Director
Senior General Manager, PJ Services Div.

IMPORTANT PROJECT ORDERS



PURCHASE ORDER Iraq Infrastructure Reconstruction Project



Bechtel International Systems, Inc.

TO: CROMPTON GREAVES LTD
International
A-6/2 MIDC
Ahmednagar, 414111
India

Attention: Sajal Mukherjee
Telephone No: +91 241 2776141
Fax No: +91 241 2777508
Email: sajal@cgl.co.in

PURCHASE ORDER NUMBER:
24910-FPA-P-00141 Rev. 0

AWARD DATE: November 24, 2003
ISSUE DATE: November 30, 2003
Requisition No: 24910-FMR-P-00141 Rev. 0

PROMISED SHIP DATE:
December 05, 2003

TOTAL PURCHASE VALUE: 5,346.50 USD
US Dollar

All prices shown herein are firm unless stated otherwise in Section 1 - Scope of Work, Pricing, and Notes.

Product: Replacement Motors

PURCHASE ORDER ATTACHMENTS:

- Section 1 Scope of Work, Pricing, and Notes
- Section 2 This section was omitted
- Section 3 This section was omitted
- Section 4 General and Special Conditions
- Section 5 This section was omitted
- Section 6 Expediting Instructions
- Section 7 Shipping and Packing Instructions
- Section 8 Invoicing Instructions
- Section 9 This section was omitted

Payment Terms: (See Section 1 - Commercial Notes)
Shipping Terms: (See Section 1 - Commercial Notes)
Origin of shipment(s): (See Section 1 - Commercial Notes)
Shipper(s): (See Section 1 - Commercial Notes)

FOR BECHTEL USE ONLY:
Job Number: 24910.509
Cost Code: 13090014C
DUNS Number: 650125487
Commodity Code: EM800
Commitment Register No.: 1205

CORRESPONDENCE: Send copies of all correspondence relating to this Purchase Order to the attention of the Buyer named below at the address shown above. Purchase Order, item, tag, and stock code numbers must be referenced on correspondence.

INSPECTION: Is Not Required

SHIP AND CONSIGN TO:
(See Section 7 - Shipping Instructions)

INVOICING:
(See Section 8 - Invoicing Instructions)

PURCHASE ORDER - DO NOT DUPLICATE

BUYER'S AUTHORIZED REPRESENTATIVE

Signature: 
By: Craig Foley
Title: Buyer
Telephone: 703 748 9368
Fax: 240 379 2124
Email: cfoley1@bechtel.com

SELLER'S ACCEPTANCE:

SELLER is required to acknowledge acceptance of this Purchase Order by returning a copy of this page signed by an authorized representative within one week after receipt of this order. The authorized representative of SELLER accepts and agrees to furnish the Goods and Services specified in full accordance with only those terms and conditions contained in this Purchase Order.

Signature: _____
Title: _____
Print Name: _____
Date: _____



PURCHASE ORDER Iraq Infrastructure Reconstruction Project



Bechtel International Systems, Inc.

TO: CROMPTON GREAVES LIMITED
A-6/2 MIDC
Ahmednagar, 414111
India

Attention: Sajal Mukherjee
Telephone No: +91 241 2776141
Fax No: +91 241 2777508
Email: sajal@cgl.co.in

PURCHASE ORDER NUMBER:
24910-FPA-P-00183 Rev. 0

AWARD DATE: December 30, 2003
ISSUE DATE: January 6, 2004
Requisition No: 24910-FMR-P-00183 Rev. 0

PROMISED SHIP DATE:
January 15, 2004

TOTAL PURCHASE VALUE: 11,880.00 USD
US Dollar

All prices shown herein are firm unless stated otherwise in Section 1 - Scope of Work, Pricing, and Notes.

Product: Motors

PURCHASE ORDER ATTACHMENTS:

- Section 1 Scope of Work, Pricing, and Notes
- Section 2 This section was omitted
- Section 3 This section was omitted
- Section 4 General Conditions
- Section 4B Special Conditions
- Section 5 This section was omitted
- Section 6 Expediting Instructions
- Section 7 Shipping and Packing Instructions
- Section 8 Invoicing Instructions
- Section 9 This section was omitted

Payment Terms: (See Section 1 - Commercial Notes)
Shipping Terms: (See Section 1 - Commercial Notes)
Origin of shipment(s): (See Section 1 - Commercial Notes)
Shipper(s): (See Section 1 - Commercial Notes)

FOR BECHTEL USE ONLY:
Job Number: 24910.531
Cost Code: 13130014N
DUNS Number: 650250063
Commodity Code: 93A01
Commitment Register No.: 1404

CORRESPONDENCE: Send copies of all correspondence relating to this Purchase Order to the attention of the Buyer named below at the address shown above. Purchase Order, item, tag, and stock code numbers must be referenced on correspondence.

INSPECTION: Is Not Required

SHIP AND CONSIGN TO:
(See Section 7 - Shipping Instructions)

INVOICING:
(See Section 8 - Invoicing Instructions)

PURCHASE ORDER - DO NOT DUPLICATE

BUYER'S AUTHORIZED REPRESENTATIVE

Signature: 
By: Craig Foley
Title: Buyer
Telephone: 703 748 9368
Fax: 240 379 2124
Email: cfoley1@bechtel.com

SELLER'S ACCEPTANCE:

SELLER is required to acknowledge acceptance of this Purchase Order by returning a copy of this page signed by an authorized representative within one week after receipt of this order. The authorized representative of SELLER accepts and agrees to furnish the Goods and Services specified in full accordance with only those terms and conditions contained in this Purchase Order.

Signature: 
Print Name: Sajal Mukherjee
Title: Senior Export Manager
Date: 7th January 2004

BECHTEL ORDERS FOR IRAQ RECONSTRUCTION

IMPORTANT PROJECT ORDERS

SULZER

Sulzer Pumps India Ltd

9, MIDC, Digha,
Thane Bazar Road,
Navi Mumbai - 400 708
INDIA

Tel: (01) 22-55904321
Fax: (91) 22- 55904311 / 18,02,08

Our reference: SPIL/CGL/LOI/36
05th November 2003

Crompton Greaves Ltd.
Western region,
Kanjur (East),
Mumbai - 400 042.

Attn: Mr Guruprasad Kulkarni

Dear Sir,

Sub: Letter of Intent for 7 Nos L.T Motors against our W.O No 0361111 A/C Galaxy Projects.

Ref: YW/HSB-GPK-2K3-60 dated 06.06.03 and discussions dated 05.11.2003 at our works.

With reference to the above we are pleased to issue our Letter of Intent on you for the supply of 7 Nos Motors as per details given below.

Motor Tag No	Motor Rating	Qty
110 MJM / MJAM	55kw / 2p Ex'e'	02 Nos
113 MJM / MJAM	3.7kw / 2p Ex'e'	02 Nos
121 MJM / MJAM	110kw / 2p Ex'e'	02 Nos
122 MJM	3.7kw / 2p Ex'e'	01 No

The applicable specifications 1065-8102 and 1065-8104 already given to you.
The Motors should confirm to Australian standard AS 1539 alongwith necessary certification.

The Total Value for 7 nos Motors shall be Rs 7,05,586.00 only.

Taxes and Duties will be extra at actuals.

Delivery - By 15/03/2004

Payment Terms - 90 days against L/C.

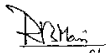
Motor documents should be submitted for approval within one week of this LOI.

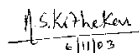
Kindly acknowledge the receipt of this LOI as a token of acceptance.

Our official P.O will follow.

Thanking You,

For Sulzer Pumps India Limited


R.V.S. Mani
President


A.S. Kothekar
V.P. - Operations


Deepak Parekh
Manager Materials


05/11

ORDER FOR BURRUP FERTILIZER - AUSTRALIA

EX e MOTOR (with IEC Ex certification)

PERFORMANCE OF EXECUTION - BECHTEL IRAQ ORDERS

ORDER – 24910-FPA-P-00141 for 19 motors

ORDER RECEIVE – 30.11.03

REQUIRED DELIVERY – 12.12.03

ACTUAL DELIVERY – 11.12.03

ORDER – 24910-FPA-P-00183 for 50
Motors

ORDER RECEIVE – 6.1.04

REQUIRED DELIVERY – 15.1.04

ACTUAL DELIVERY – 15.1.04

Subject: RE: FW: Banking info
Date: Fri, 12 Mar 2004 07:16:58 -0500
From: "Foltyn, Craig" <cfoltyn1@bechtel.com>
To: 'sajal' <sajal@cgl.co.in>

Hi Sajal

I have recommended your company to the other buyers here but I have not seen any new orders where your company would be able to bid. **We are extremely pleased with the job you did and we hope to be able to work together in the future.**

Keep sending me e-mails every few weeks just to check up. The phase 2 work for Iraq is beginning shortly and once that team is put together I will give you the name of the person to contact.

Best Regards,

Craig Foltyn
BNI Procurement
(Phone) 240 379 3224
(Fax) 240 379 3221
cfoltyn1@bechtel.com



KEY OEM ACCOUNTS – DIRECT EXPORT

Country	Name of Company	Type of business	Approx sale / annum
SPAIN	TUSSOR	Machine tool manufacturer (one of the largest in World)	313,000 \$
UK	ARMSTRONG	Pump Manufacturer	210,000 \$
SWEDEN	AB AKRON	Distributor cum OE -ventilation equipments	182,000 \$
GREECE	SABO	OE – Ventilation	80,000 \$

MOTOR SUPPLIED TO MAJOR INTERNATIONAL OEMS FOR VARIOUS PROJECTS

OEM	COUNTRY	APPROX QTY & RATING	PROJECT	SUPPLIED IN
PUMP				
Arai Pump	Japan	17 motors up to 110kw Ex e, Ex N	IOCL Panipat,	2004
Ensival Moret	Belgium	7 motors up to 150kw – Ex e, Ex N	IOCL Panipat,	2004
Peroni Pompe	Italy	8 motors upto 190kw – Ex e, Ex N	Various Indian Projects	2003-2005
Weir Pump	UK	3 x 280kw Ex N	ONGC Offshore	2004
Ebara Corp, Kobe Steel	Japan	20 Motors	IOCL Panipat & Mathura	2004
KSB Pumps	Indonesia	5 x 110kw – Ex N	Project in Indonesia	2005
	Taiwan	4 x 160kw – Ex d BASEEFA cert	Project in Taiwan	2005
	Germany	23 x 225kw-8P	Pumping Station in Egypt	Order recd

MOTOR SUPPLIED TO MAJOR INTERNATIONAL OEMS FOR VARIOUS PROJECTS

OEM	COUNTRY	APPROX QTY & RATING	PROJECT	SUPPLIED IN
MIXERS				
Mixing Solutions	UK	45 motors upto 55kw – All Ex d type	IOCL Panipat, Reliance, Gail-Pata	2004-2005
CNG COMPRESSOR				
INTERMECH	New Zealand	36 motors Ex e and Ex d upto 185kw	CNG compressors in Pakistan and Middle East	2005





KEY DISTRIBUTORS - WORLDWIDE

Country	Name of Company	Approx sale / annum
ARGENTINA	EBERLE	\$ 680,000
USA	POWER TECH	\$ 530,000
NEW ZEALAND	MOTOR TECH	\$ 200, 000
BANGLADESH	SIGMA	\$ 175,000
CANADA	Phelan Bros.	\$ 137,000
SAUDI	BALLOUT	\$ 100,000
MALAYSIA	JASAKITA	\$ 60,000
OMAN	AL KHONJI	\$ 52, 000
UAE	N. SAYER	\$ 42,000

SALES & SERVICE NETWORK - Worldwide

Country	Name & Address	Tel
AUSTRALIA	Roycee Cross Agencies, 3 Cord St, Dudley Park, Adelaide	061 882694000
BANGLADESH	Sigma Pumps Ltd., 147/A/1&2 Airport Rd, Monipuripara, Dhaka	0880 2 9122165
CANADA	Phelan Brothers Electrical, 55 Healey Rd, Bolton, Ontario L7E 5A2,	01 905 8572720
COLOMBIA	Laumayer De Colombia, Carrera 50 FF No. 65UR-75, Medellin	0574 3618585
CYPRUS	Electrologikon Ergastrion, Andreas G. Kyriakides Ltd., PO B – 23275 CY 1680, Nicosia, Cyprus	0357 22329869
ECUADOR	Imetel Cia Ltda, Av. Amazonas No. 41-170 Entre, Isla Floreana E Isla Tortuga, Quito, Ecuador	0593 22256416
GUATEMALA	Importadora Hidraulica Dubon, Ciudad Geatemala, 5a. Av 1-82, Zona 9, Guatemala City	0502 310063
HONGKONG	Cosmos Machinery Int. Ltd. 5/F Tai Tung Ind Bldg, 29-33 Tsing Yi Rd, NT	0852 23608111
IRELAND	Electromotors (Coil Mnfg) Ltd., 104B Barrow Rd, Dublin Ind Est, Dublin 11	0353 1 8309155
KENYA	Kassam & Bros Co. Ltd., PO Box 26073, Nairobi	0254 559768
KUWAIT	Fawaz Refrigeration & Air-conditioning, PO Box 20423, Safat 13065, Kuwait	0965 5749313



.....contd.

Country	Name & Address	Tel
NEW ZEALAND	Rotational Power Group, 303E Rosebank Rd, PO.B 71142, Avondale, Auckland	064 6 8203550
	Keith R Norling Ltd., 76 Cuba Street, Palmerston North	064 6 3578940
OMAN	Md. & Ahmed Alkhonji LLC, PO Box 73, Muscat 113	0968 795007
PERU	Motorex S.A., Av. Argentinian 2989, Lima 1	0511 5151069
SAUDI	Ballout Trading Est., PO.B 3535, Jeddah 21481 ; PO.B 63535, Dammam 31516	0966 26422229, 3 8176300
S. AFRICA	CEMA Electric Motors, Unit 11 Southern Life Industrial Village, Crocker Road, Wadeville Ext 6, Johannesburg,	011 902 3692
SRI LANKA	Merchants International Ltd., 555 Sri Sangaraja Mawatha, Colombo 10	094 1 329212
SWEDEN	Jansin AB, S 53104 Jarpas, Sweden	0510 91208
THAILAND	Charoen Muang Machinery Co. Ltd. 164/1 Wisutkasat Rd, Bangkok10200	0662 22815331
UAE	Naser Al Sayer & Co. LLC, PO Box 1825, Dubai	09714 2222471
UK	AER Ltd., Wotton Road, Kingsnorth Ind Estate. Ashford, Kent TN23 2JIS,	01233-632777
	Beatson Fans & Motors, Hope works, Mowbray St, Sheffield, South Yorkshire	0114-2768088



THANK YOU

For your patience
For your time

Site: www.cglonline.com

Contact: sajal@cgl.co.in

 **Crompton
Greaves**
EVERYDAY SOLUTIONS