



Zam Zam Engineering Industries

M/s. Bangladesh Hoist Suppliers
M/s. Zam Zam Iron Mart
M/s. Alif Engineering Workshop

Manufacturer of Overhead Crane
Electric Hoist, Concrete Mixture Machine
Brick Crusher Machine and
allied Material Handling Equipments



COMPANY PROFILE



Head Office: 486 CDA Market, Pahartali, Chittagong.

Mobile: 88-01817-709552

Factory: Port Connecting Road, Saraipara, (in front of Mohanagar Petrol Pump) Pahartali, Chittagong.

Mobile: 01815-819235, 01726- 038506

Email : info@zamzamengineeringctg.com

Web : www.zamzamengineeringctg.com



Introduction

Zam Zam Engineering Industries is a leading manufacturer of Overhead Cranes, Electric Hoist, Concrete Mixture Machines, Brick Crusher Machines and allied material handling equipment. We offer services from Technical consultation to contractual maintenance.

Over the years Zam Zam has supplied special-purpose cranes featuring advanced engineering know-how for Steel mills, Paper mills, PP Bag manufacturing, Cement plant, Paper mills etc.

Apart from the above, it has gathered so much experience on the line of fabrication, erection, installation & commissioning of plant such as super edible oil refining plant, dry-fractionation plant, refined sugar industries, power plant, water treatment plant, textile, sewing thread manufacturer and so on by the experience of last 14 years. It has gathered a sufficient acceptability to the private entrepreneurs.



COATS Bangladesh Limited



Baraka Patenga Power Limited



S. Alam Refined Sugar Ind. Limited

O U R C L I E N T S





Profile

Company Name	:	ZAM ZAM ENGINEERING INDUSTRIES
Factory	:	Port Connecting Road, Saraipara, Pahartali, Chittagong, Bangladesh.
Phone	:	01819-178459, 88-01815-819235
Office	:	486 CDA Market, Pahartali, Chittagong, Bangladesh
Phone	:	88-01833-358131, 01817-709552, 88-01726-038506
Email	:	info@zamzamengineeringctg.com
Website:	:	www.zamzamengineeringctg.com
Type of Company	:	Private
Name of Proprietor	:	Alhaj Md. Jamal Uddin
Name of Work	:	Manufacturer: Overhead Cranes, Electric Hoist, Thruster Brake, Master Controller, Cargo Lift, Concrete Mixture Machines, Brick Crusher, Con struction Winch Hoist and allied material handling equipments. Structure Fabrication: Build-up Structures, Structural Trusses for Planned Shed, Machinery Platform, Fabrication and Erection of MS, SS, Chim ney and Belt Conveyer. Tank and Vessels: Fabrication and Erection of MS and SS Tank On Site and Workshop; Fabrication and Erection of Vessels, Con denser. Piping: Fabrication & Erection of CS, SS, Copper Nickel, Aluminium and IBR Piping. Miscellaneous Mechanical Work: Industrial Ma chine & Equipment manufacturing as per sample and Design.
Total Number of Employee	:	129
Trade Lic No.	:	021710
TIN Number	:	346-107-8031/SA40



Manpower

PROJECTS MANPOWER

<u>DESIGNATION</u>	<u>PERSONS</u>
1. Project Engineer	01
2. Site Engineer (Diploma)	02
3. Site Supervisor	04
4. Site Foreman Erection	04
5. Quality Controller Welding	02
6. Mechanical Fitter	06
7. Fabricator	04
8. Welder	15
9. Cutter Man	05
10. Skilled Technician	12
11. Semi-Skilled Technician	15
12. Electrician	02
13. Grinder	04
14. Argon Welder	04
15. MIG Welder	02
16. PVC Welder	01
17. Office Staff	08
18. Painter	04

WORKSHOP MANPOWER

1. Turner	05
2. Shaper Operator	03
3. Stand Drilling Machine Operator	03
4. Magnet Drilling Machine Operator	04
5. Surface Grinding Machine Operator	02
6. Milling Machine Operator	03
7. Stand Grinding Machine Operator	02
8. Hand Grinding Machine Operator	04
9. Welder	06
10. Template Maker	02





Tools & Equipments-Workshop

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
Workshop Tools & Equipments				
01	Lathe Machine	12'	01	
02	Lathe Machine	10'	01	
03	Lathe Machine	6'	01	
04	Lathe Machine	5'	01	
05	Lathe Machine	4'	01	
06	Electric Drill Machine	3" capacity	01	
07	Electric Drill Machine	1 ¹ / ₂ " capacity	01	
08	Electric Hand Drill Machine	³ / ₄ " capacity	01	
09	Electric Hand Drill Machine	¹ / ₂ " capacity	01	
10	Shaper Machine	42" Capacity	01	
11	Shaper Machine	12" Capacity	01	
12	Milling Machine		01	
13	Grinding Machine	12" X 1" (Stone)	03	
14	Grinding Machine	7" Hand	05	
15	Grinding Machine	3" Hand	06	
16	Lifting Chain Block	Manual	05	
17	Lifting Chain Block	Electrical 5 Ton	03	
18	Lifting Chain Block	Electrical 3 Ton	01	
19	Lifting Chain Block	Electrical ¹ / ₂ Ton	01	
20	Cutting Machine	16"	02	
21	Gas Cutting Set Complete		03	
22	Hydrolic Pressure Test Machine		01	
23	Arc Welding Machine	200 amp	03	
24	Arc Welding Machine	300 amp	05	
25	Arc Welding Machine	500 amp	04	
26	Spot Welding Machine		01	
27	Argon Welding Machine		01	
28	Non-Ferrous Welding Equipment		01	
29	Sand Blaster Equipment		01	
30	Generator Welding Machine		01	
31	Hydrolic Pipe Bending Machine	.05" to 4"	01	
32	Steel Sheet Bending Machine		01	
33	Magnet Drill Machine	³ / ₄ "	01	



Tools & Equipments for Project-Page 1

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
1. Welding & Cutting Tools				
01	Gas Cutting Torch		06	With Lighter
02	Oxy & Acetylene Hose		06	
03	Oxy & Acetylene Regulator		06	With Handle & Bomb
04	ARC Welding Machine	A.C. 300~600 Amps	15	
05	Argon Welding Machine	500~600 Amps	02	
06	Cab type Cable	400m LG 600 Amps	15	
07	Welding Holder		15	
08	Welding Mask		15	
09	Welding Spectacles		15	
10	Welding Gloves		15	
11	Chipping Hammer		15	
12	Wire Brush		15	
13	Electric Grinder	Dia 100 & 200mm	06	Consumable item
14	Welding Rod Ø 3mm, 4mm, 5mm			
15	Plate Bending Machine		01	
16	Lifting Winch	15 Ton capacity	01	
2. Piping Tools				
01	High Speed Cutter		01	
02	Pipe Screw Cutting Machine		02	
03	Pipe Vice	For Ø ¹ / ₂ " to 20"	01	
04	Pipe Screw Cutter (Hand)		02	
05	Pipe Taps	For Threads ¹ / ₄ " to 1 ¹ / ₂ "	01	BSP & NTP
06	Pipe Cutter		01	
07	Copper Tube Cutter & Ebder		01	
08	Parallel Vice	12"	01	
09	Pipe Wrench	L-150,200,300,400,500mm	03	
10	Pipe Bender (Hyd. type)	For Ø ¹ / ₄ " to 3" pipe	01	
11	Falnge Square		03	
12	Carpenter Square		03	
13	Iron Level (Sprit Level)		03	¹ / ₁₀ mm/m



Tools & Equipments for Project-Page 2

SL	DESCRIPTION	SPECIFICATION		QNTY	REMARKS
3. Assembling & Fitting Tools					
1	Open End Spanner	Bolt Size	Size	3	
		M 6	10	3	
		M 10	13	5	
		M 12	19	1	
		M 12	22	5	
		M 16	24	1	
		M 18	27	5	
		M 20	30	12	
		M 22	32	5	
		M 24	36	5	
		M 30	46	12	
		M 36	55	12	
		M 42	65	2	
		M 48	75	2	
		M 56		2	
		M 72		2	
M 80		2			
2	Ring Spanner	Bolt Size	Size		
		M 6	10	3	
		M 10	17	5	
		M 12	19	5	
		M 14	22	1	
		M 16	24	5	
		M 18	17	1	
		M 20	30	5	
		M 22	32	2	
		M 24	36	5	
		M 30	46	5	
		M 36	55	5	
		M 42	65	2	
		M 48	75	2	
3	Adjustable Angle Wrench	L = 150mm		5	
		L = 200mm			
		L = 300mm			
		L = 350mm			
4	Ratchet Type Box Spanner	Bolt Size	Size		
		M 16	24	2	
		M 20	30	2	
		M 22	32	2	
5	Open Ended Spanner	M 16	24	3	
		M 20	30	3	For High Tension Bolt
		M 22	32	3	
6	Torque Wrench	M 24 to M 48	200mm	2	For High Tension Bolt



Tools & Equipments for Project-Page 3

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
3. Assembling & Fitting Tools				
7	Box Wrench Set	M 6 to M 36	4 sets	
8	Batting Offset Wrench	Bolt Size	Size	
		M 30	46	2
		M 36	55	2
		M 42	65	1
9	Screw Driver set	M 48	75	1
		Flat point		3
		Cross point		3
10	Hexagon Socket Screw Keys	M 2 to M 20	3 each	Allen
11	1/2 Pound Hammer	1 1/2	3	
12	5 Pound Hammer		3	
13	12 Pound Hammer		3	
14	Lead Hammer		1	
15	Plastic Hammer		2	
16	Machinist Filer 300mm long	Flat Triangular Round Half round	3 each	
17	Set Filer 150mm Long	Flat Triangular Semi round	2 each	
18	Insulated Cutting Pliers		3	
19	Blik Scissor		2	
20	Clipper		1	
21	Screw Clamp	Size – 12" Long	2	
		Size – 6" Long	2	
22	Scriber		3	
23	Centre Punch		6	
24	Hand Chisel	6" & 8"	4 nos each	
25	Saw Frame (with saw)		2	
26	Electric Grinder	100mm dia Disk	6	
		180mm dia Sisk	6	
27	Electric Drill	With 3mm to 13mm dia bit	1 set	
28	Electric Drill	With 40mm dia dill bit	1 set	
29	Air Hose	1/2"	30m	
		3/4"	30m	
30	Impact Wrench		1	
31	Reamer Punch		5	
32	Cable Reel Consent		5	
33	Pneumatic Drill		1	
34	Pneumatic Grinder		1	
35	Taper Pin Reamer	5 dia	1	
		12 dia	1	
		20 dia	1	
		25 dia	1	



Tools & Equipments for Project-Page 4

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
3. Assembling & Fitting Tools				
36	Hand Tap (with handle)	M 6, 8, 10	1 each	
		M 12, 16, 20	1 each	
		M 24, 30, 36	1 each	
37	Letter Punch	10mm	1 set	
38	Figure Punch	10mm	1 set	
39	Flash Light (Electrical)		5	
40	Flash Light (Hand)		5	
41	Gear Puller		2	
42	Red Lead		2	
43	Oil Stone	Red	2	
		White	2	
44	Turn Buckle	200 to 400	15	
45	Piano wire, swing arm, Dial gauge, magnet stand straight edge, steel tape. ruler Torch			As per requirement
46	Piano wire support			For Swing test
47	Swing jig for holding Micrometer			For Swing test
48	Spark testing machine			
49	Hydraulic testing kit			For Hydraulic system testing
50	Hydro test pump with pressure gauge & valves	Capacity 350 bar	2 sets	
4. Lifting Tools				
01	Still Wire Rope	32Ø (11/4)	2 each	
		26Ø 10, 8, 6m	2 each	
		20Ø 10, 8, 6m	4 each	
		12Ø 10, 8, 6, 4m	4 each	
02	D-Shackle	32Ø (11/4)	4	
		26Ø x (1)	4	
		20Ø (2/4)	8	
		12Ø x (1/2)	12	
03	Chain Block	20T	2	
		15T	2	
		5T	10	
		3T	8	
		2T	6	
		1T	4	
04	Chisel Hole (Happier)		2	
05	Manila Rope	20Ø	100m	
06	Pulley Block		10	For wire rope
07	Rope Clip	12Ø - 26Ø	3 each	
08	Hang Clamp		2	
09	Wooden Block	300Ø x 1500L	10	
		150Ø x 3000L	50	



Tools & Equipments for Project-Page 5

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
4. Lifting Tools				
10	Roller	100 x 2000L	10	
11	Hard Wooden Plate	200x2000Lx50Thk	50	
12	Reamer Punch (Ball Core)		5	
13	Shino		5	
14	Journal Jack	25T & 15T	4 each	
15	Hydraulic Jack	50	2	
		100	2	
		200	2	
16	Small Jack		10	
17	Crowbar	1m, 0.5m & 1.5m	3 each	
18	Ladder	L = 5	3	
5. Padding, Grouting & Mastic Tool				
01	Air Chipping Hammer		2	
02	Air Compressor		1	
03	Air Hose (with hose coupler)	30m	3 sets	
04	Light Carrier		3	
05	Plastic Hammer		5	
06	Wooden Saw		2	
6. Measuring Instruments				
01	Master Precision Level	200mm Graduated in 10 sec	2	
02	Dumpy (Auto) Level	Pentex	4	
03	Engineers Y-Level Equipment with optical Micrometer		1	
04	Dial Indicator with Magnet stand	Graduated in 0.01 mm	3	
05	Outside, Inside Caliper	12"	10+10	
06	Mechanical Plumb Bobs with Nylon Fishing wire		24	
07	Filler Gauge	0.5mm to 1mm	2 sets	
08	Measuring Tape	3m	10	
09	Measuring Tape	30m (13mm width)	3	
10	Steel Scales	300mm/1000mm	5	
11	Tri Square	12"	5	
12	Venire Caliper	12"	3	
13	Inside Micrometer	50 to 1000mm	3	
14	Outside Micrometer	50 to 1000mm	3	
15	Water Level Tube	50m	5	
16	Straight Edge	48"	1	
17	Thermometer		5	
18	Disable Measuring meter		2	



Tools & Equipments for Project-Page 6

SL	DESCRIPTION	SPECIFICATION	QNTY	REMARKS
7. Tools for General Purpose				
01	Hand Greasing & Auto Greasing equipment	Suitable $\frac{1}{4}$ " & $\frac{3}{4}$ " Grease Nipples	2	
02	Oil, Grease, Solvents, White Lead etc.	For General Purpose		As per requirement
03	Painters tools like Brushes, Spray Guns with compressor etc.		5	As per requirement
04	Oil Flushing Pump	400 LPM	1	
05	Flushing Tank for oil	100 Lts.	1	
06	Mobile Crane	20 M.T. to 50 M.T. Available		If necessary we can supply 100 M.T. Mobile Crane also.
07	191 KVA Diesel Generator		2 sets	
08	Plate Bending Machine		2 sets	
19	Sand Blasting Compressor		2 sets	
10	Hydro set Compressor		1 set	
11	Power Winch	15 Ton capacity	2 sets	

We will arrange any type of equipment as per project requirement



Single Girder EOT Crane



LDA model Single Girder Bridge



End Carriages



Single Beam Electric Rope Hoist



Pendent Push Button Station



• Single Girder Overhead Cranes

We offer single girder overhead cranes with following specifications:
Capacity : 1 Ton to 15 Ton
Span : 3 Mtrs. To 20 Mtrs.
Lift : 1 Mtrs. To 20 Mtrs.

• Design, Features & Specifications:

The single girder overhead cranes is very convenient equipment for material handling even in the small production units and warehouses. The reduced wheel loads combined with very low headroom standard hoists provide outstanding value. These material handling overhead cranes can fitted in different floor areas by using various fixing arrangements and modifications in design. The accurate dimensions result in optimal hook position providing exceptional travel characteristic. Generally there is minimum safety distance with the ceiling of the building. This provides a typical advantages of utilizing the space at its best even in the buildings with unfavorable dimension. We can design and efficiently install traveling cranes in available space by using different fixing arrangements. We are specialize in custom designing cranes based on the specific needs of the clients.

• Standard Features:

Design: 'ZAM ZAM' Electric Overhead Traveling Cranes are designed & manufactured considering factor of safety in respect to appropriate class of duty.

Motors: The motors are used specially crane duty suitable for frequent starting, reversing & braking. Motors are totally enclosed in dust proof construction motors with integrated safety brakes, insulation protection for hoisting, CT & LT motions.

Brakes: Single/dual-disc/ shoe electromagnetic/ EHT brakes with features like automatic braking on power failure (FAIL SAFE). The entire gear boxes are made from carbon alloy steel. All gears & pinions running on antifriction type ball / roller bearings in totally enclosed oil bath giving constant splash lubrication. The helical / Spur gear designed for adequate strength and optimum wear resistance for smooth operation & long life.

Electrical Panel: Modular design, ease to install and maintain, reliable operation, fuse less circuitry, ducted wiring and compact terminals. Motor overload protection to prevent overloading.

Limit Switch : Safety limit switches for stoppers will be provided to prevent over traveling in all motions.

Painting: Two coats of primer before assembly & two coats of synthetic enamel after testing.

• Optional Features :

- Variable speed
- Soft starter
- Slip Ring motors
- Operation thro pendent push button station
- DSL system for power feeding
- Flameproof



Double Girder EOT Crane



Crane Bridge



End Carriages



Crane Walkway



Crab Assembly



Load Test



• **Double Girder EOT Crane:** Zam Zam Engineering Industries Double Girder EOT Cranes are designed with suitable factor of safety as per duty class.

• **Crane Bridge:** The Structural parts are fabricated from High quality Ship Breaking steel. Crane Bridge girders are fabricated to box girder with plates. The girders of the crane with box type construction have more advantages.

• **End Carriages:** End carriages are fabricated from rolled steel sections or plates and are provided with diaphragm members, connected to the girders to prevent cross bending. The end carriages will be of Single piece construction which reduces the change of bending during transportation. Rubber Buffers will be fixed on either side of the each end carriage.

• **Walkway:** M.S. Chequered plate with hand railing is provided for maintenance of the crane on one side of bridge o the full length of the crane span and two short lengths on other side.

• **Crab Assembly:** The crab frame is fabricated from steel sections and carries hoisting, Electro Hydraulic Thruster Brakes and cross traverse machineries. Double flange carbon steel wheels with support block.

• **Long Travel Assembly:** Single Drive Arrangement & Twin Drive Arrangement are provided as per span and capacity of the crane. Each drive comprises of totally enclosed oil lubricated horizontal type gear box, Electric motor and fail safe type brake. In case of single drive out put shaft of gear box extends on both sides which drives one wheel of each end carriage on the principle of 'floating shaft' In case of twin drive arrangement out put shaft of gear box extends on one side and drives one wheel of the end carriage.

• **Geared Coupling:** The entire transmission system on the cross traverse and long travel gear boxes is designed with use of geared flexible coupling. In capacity of transmitting torque it is the smallest in size and weight in comparison with any other flexible coupling.

• **Control Equipment:** Controlling equipment is provided for operation forms the driver cabin thro drum controllers or operation thro pendent push button station.

• **Testing of Crane :** The crane will be assembled and tested at our works at ground level, load test and 25% over load test are to be performed at site after erection. Loads shall be arranged by purchaser.



Electric Wire Rope Hoist



Chain Hoist



Single Girder Rope Hoist



Light Duty Double Girder Hoist



Heavy Duty Double Girder Hoist

Electric Wire Rope Hoists:

Whether chain hoist or wire rope hoist, electric or pneumatic; our line of powered hoists are ideal in manufacturing, power generation, and industrial facilities where heavy items are lifted and positioned as part of production or warehousing. Our new model high-capacity wire rope hoist complements our line with capacities up to 50 Tons. We offer a full line of manual hoists, both hand chain and lever tools, which are used primarily for maintenance and construction activities.

- 1 ton thru 5 ton Electric Hoists
- 3 ton thru 15 ton Monorail Wire Rope Hoists
- 5 ton thru 40 ton Top Running Wire Rope Hoists

Custom Built Hoists:

• Various Capacities • Double Girder, • Monorail, Jib cranes etc. • Critical Lift Twin Hook • Explosion Proof • Indoor or Outdoor Use • Hazardous Locations • Two Drum Bucket • Hot Metal Steel Mill Hoists - AC/DC.

Common Features:

- Conical rotor, Squirrel Cage, 1 hr. Rated, Class 'F', Insulated crane duty motor.
- Electromechanical, Conical disc type, 100% failsafe maintenance free Brake, eliminates need of coil & there by coil burning and down time problems.
- Easily portable because of compact design and low weight
- Wear-resistant, Heat-treated, Grade 80, Special alloy steel calibrated load chain.
- A special conical friction clutch housed inside the gearbox, protects the hoist against overloading. It also works as Emergency limit stop and protects overhoisting and over lowering
- All Gears are made of Carbon / Alloy steel, high precision cut, hard ened and tempered, and are mounted on antifriction bearings.
- Hoist is supplied with a pendant push button station and a two mtrs. Long pendant cable. Additional cable lengths are available on request.
- Hoist is supplied with a 3 mtrs. Long power supply cable. Extra length can be supplied on request.
- Hoist is supplied with wire rope for three mtrs. Height of lift. Additional chain can be provided for higher height of lift, on request.

Special Feature:

- Low headroom design.
- Overload protection is optional.
- The normal traveling speed is 20m/min, 12.5, 16, 25, 30, 20/6.5 or 20/5m/min is optional.
- Hoist electrics cubicle including low voltage transformer.
- Standard power supply: 80V/400V/415V/575V 50HZ, 230V/440V/460V/60HZ
- Motor protection IP54 insulation class F.
- Push button box with emergency button.
- Hooks with safety latch.
- Rope guide for use in aggressive environment.
- Rubber buffers (for hoist with trolley).
- The standard hook path is 6, 9, 12, 18, 24, 30 & 35 meters, and max hook path can reach 120 meters.



Range:

Capacity : 0.5 Tons to 5 Tons
Cage Size : 3 Mtr. X 3 Mtr.X 3 Mtr.
Lift : 0.5 Mtr to 20 Mtr.
Floor : Ground + 5

Design : Compact dimensions, low weight, easy to operate and easy to maintain, modular design with direct fits between components

Some of the major attributes of the design are:

Compact dimensions, Low & easy maintenance, Modular design, Easy operation, Low weight

Cargo Lift



EOT Crane Spare Parts

Zam Zam Engineering Industries is the one name that stands for the supply of EOT Crane Spare Parts in world-wide markets. We are offering a wide range of EOT Crane Spare Parts, which is accomplished with the great utility features. The consistent demand of clients has inspired us to claim the topnotch position of EOT Crane Spare Parts supplier, U.P.

Array:

- Master Controller • Resistance Box • Rotary Geared Limit Switch • Thruster Brakes • Electro Hydraulic Thruster



Resistance Box

Resistance Boxes, offered by **Zam Zam Engineering Industries**, are made of stainless steel punched plate type and stainless steel wire grid type. The Resistance Boxes, which we are offering, are manufactured with utmost precision, which assures their dependability for a long run. Based on this feature, we are positioned on top among the listed supplier of Resistance Boxes.

Compatible with

- Motor HP
- Rotor Volt
- Rotor Amperes
- The grids of our starting resistors are made from stainless steel and punched steel sheet

Characteristics

- Highly mechanical
- Loss temperature co-efficient of resistance
- High resistivity
- Easy adjustability
- Requirement of less space
- Long life etc

Applications

- E.O.T Cranes
- Rolling Mills
- Steel Plants
- Flour Mills
- Cement Plants
- Power Plants
- Coil Mines
- Induction furnaces
- Steel rolling mills
- Heavy engineering industries



Master Controller

The enclosures of Master Controllers are made from different materials like reinforced sheet steel and aluminum. Master Controllers, offered by **Zam Zam Engineering Industries**, have covers, which can be easily removed. Master Controllers are also acknowledged for their proper space, which allows easy maintenance.

- Controls the whole system of crane
- Current capacity of 40Amps to 500volts AC
- Contact block assay
- Tips are made of high-grade silver cadmium oxide alloy
- Long Life
- Easy Maintenance
- Wide Electrical
- Clearance

Used for

- Remote operation of contractor equipment controlling heavy duty E.O.T. Cranes & Rolling Mill Drives etc

Applications

- Induction furnaces
- Steel rolling mills
- Heavy engineering industries



Rotary Geared Limit Switch



Electro Hydraulic Thruster Brakes

Introduction :

Thruster brake is a device to retard the speed of moving machinery and to stop it accurately to the desired position. The braking force is applied to the brake shoe by a pre-stressed compression spring. The shoes press on the rotating brake drum retarding its speed and finally stopping it. The releasing of the brake and compressing of the spring is done by the Thruster.

The thruster shoe brake has a pair of cast iron shoes which are lined up with friction pads. The shoes are hinged on the main arm and the side arm of the brake, each of them having a hinge pin fitted in the base. They are connected to each other on top by a tie rod, which is hinge in the main arm and locked to the swivel block in the side arm, by a lock nut. When the thruster motor is energized, the thrust provided by the thruster lifts up the crank lever which moves the arms and the shoe brakes away from the brake drum, and releasing the braking force. The spring is compressed and braking energy is stored for the next cycle.

Features :

- This is a spring loaded normally ON Failsafe Brake
- Consists of Electro Hydraulic Thruster, Torque Spring and Liner riveted to Brake Shoes
- Works on 415 V AC, 3 Phase, 50 Hz supply.
- Requires Transformer Oil to be filled in the thruster cylinder.
- Function is to bring to stop, moving / rotating machinery like motor / gearbox.
- Holds / stops the load in desired place. Instant stop.
- Prevents jerk due to soft stop.
- Maintenance free, robust design.

Range :

- Drum diameter 100mm to 600mm
- Thruster Capacity (Kg) : 18, 34, 46, 68, 114
- Torque Capacity : 6 Kgm to 580 Kgm

Applications :

- All Material Handling and Lifting Equipments
- Hoisting : electric wire rope Hoists and Crabs
- Cross travel and Long travel : EOT / Gantry / Goliath / Derrick Cranes
- Winches and Conveyors
- Lifts and Elevators



Building Construction Equipments

Zam Zam Engineering Industries is the one name that stands for the supply of EOT Crane Spare Parts in world-wide markets. We are offering a wide range of EOT Crane Spare Parts, which is accomplished with the great utility features. The consistent demand of clients has inspired us to claim the topnotch position of EOT Crane Spare Parts supplier, U.P.

Array:

- Master Controller • Resistance Box • Rotary Geared Limit Switch • Thruster Brakes • Electro Hydraulic Thruster



Concrete Mixture Machine

The range of Concrete Mixer Machine, we manufacture and supply, is made from optimum quality raw material and components. These concrete mixer machines are widely used in the construction sites, for mixing concrete. We have engineered these machines using latest technologies and manufacturing process. Our range of concrete machines is highly appreciated by clients for its excellent quality, durability and optimum performance. These machines are rust resistant and have longer service life.

Description:

- Capacity (unmixed) : 10 cft
- Capacity (mixed) : 7 cft
- Drum Speed : 18/20 rpm
- Type : Tilting
- Power : 8 hp Diesel Engine / 8 hp Motor
- Loading : Hand Loading



Hopper Concrete Mixture

We are well-known manufacturer and supplier of a best quality gamut of Hopper Mixer Machine that is widely used for heavy construction work and can easily mix tones of concretes. It is designed as per the set industry norms by our adroit professionals. The offered range is available in various sizes and specifications. Clients can avail the entire range at market leading prices.

Features:

- Longer working life
- Robustness
- Optimum performance
- Corrosion resistance

Description:

- Capacity (unmixed) : 10 cft
- Capacity (mixed) : 7 cft
- Drum Speed : 18/20 rpm
- Type : Tilting
- Power : 10 hp Diesel Engine / 10 hp Motor
- Loading : Hopper Loading
- Hopper Function : Operated by Clutch Mechanism



Electro Hydraulic Thruster Brakes

We offer our client an excellent quality range of Stone Brick Crusher Machines, which are manufactured from high grade quality raw materials. These Stone Brick Crusher Machines can be customized as per our precious customers specifications. These Stone Brick Crusher Machines are widely known for its durability and quality. Our Stone Brick Crusher Machines can be availed at industrial leading price.

Description:

- Brick Crushing Capacity : 2000 pcs/hour
- Prime Mover : Diesel Engine 20 hp
- Water Cooling System
- Drive Type : Belt Drive



Construction Winch Hoist

Description:

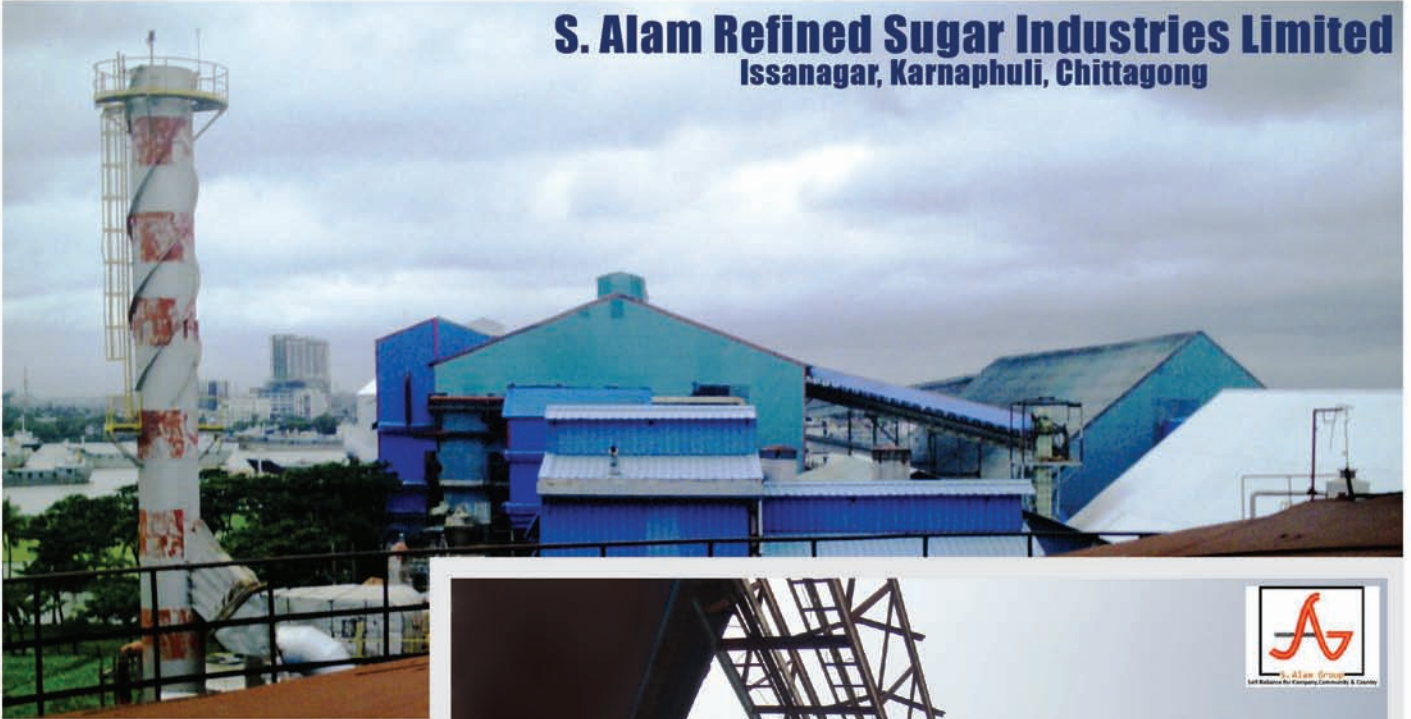
- Lifting Capacity : 1000 Kgs
- Electric Motor Operation : Drum Type Hoist
- Power : 15 hp Motor, 3Phase, 400V, 50Hz
- Prime Mover : Diesel Engine





Project-Belt Conveyor

S. Alam Refined Sugar Industries Limited Issanagar, Karnaphuli, Chittagong



Manufacturing and Installation of Belt Conveyor Structure S. Alam Refined Sugar Industries

Description of Work:

- Top Roller
- Bottom Roller with Rubber Lining
- Drive Drum Roller with Rubber Lining
- Drive Drum Roller with Rubber Coated
- Snub Roller with Rubber Coated
- Belt Guide Roller
- Drive Chain
- Brush Motor with Roller
- Gear Motor
- Fabrication of Belt Conveyor Structure
- Tension Roller of Tripper Trolley






List of our EOT Crane Customers-1

Sl	Company Logo	Name of Company	Qty	Sl	Company Logo	Name of Company	Qty
1		S. Alam Group Asadgonj Chittagong	4	11		Abul Khair Group Chittagong	5
2		Mostafa Group Agrabad Chittagong	4	12		Aramit Group	2
3		Anwar Group Dhaka	13	13		Kabir Group of Industries Chittagong	2
4		T.K. Group Chittagong	2	14		Galco Steel (BD) Ltd.	4
5		Bashundhara Group Dhaka	15	15		United Power generation & Distribution Company Dhaka	8
6		Coats Bangladesh Ltd. Chittagong Dhaka	4	16		Sinha Power Generation & Distribution Company	4
7		K.D.S. Group Chittagong	15	17		Baraka Patenga Power Ltd. Chittagong	3
8		Bandar Steels Narayangonj	19	18		Matador Group Dhaka	1
9		Metrocem Group Dhaka	5	19		GBB Power Limited Bogra	1
10		Bikrampur Steel Re-Rolling Mills Ltd Narayangonj	8	20		Padma Blowing Ltd. Barisal	2



List of our EOT Crane Customers-2

SI	Company Logo	Name of Company	Qty	SI	Company Logo	Name of Company	Qty
21		RFL Plastic Ltd Pran Group Dhaka	3	31		J.J. Labbaeck BD Ltd. Senakalyan Group Chittagong	2
22		A.B. Engg. & Steel Products Chittagong	2	32		Rupali Re-Rolling Mills (Pvt) Ltd. Dhaka	2
23		Bismillah Engg. & Steel Products Ltd. Chittagong	1	33		Techno Ventur Ltd. Dhaka	1
24		Metropolitan Steels Ltd. Narayangonj	1	34		S.M. Rahman Re-Rolling Mills Ltd. Dhaka	1
25		Super Steel Ltd. Norshingdi	2	35		H.K. Steels Ltd. Dhaka	1
26		Redwan Steel Re- Rolling Mills Ltd. Dhaka	3	36		Maa Jainab Paper Mills (Pvt) Ltd. Chittagong	1
27		Sema Steel (Angle Mills) Ltd. Chittagong	2	37		Saiqa Steel Industries Ltd. Dhaka	1
28		Kamal Steel Ltd Narayangonj	2	38		F.H. Steels Ltd	1
29		Daaf Bangladesh Ltd. EPZ Chittagong	1	39		Baizid Paper Ltd. Chittagong	2
30		Yauk Steels Re-Rolling Mills Ltd. Dhaka	3	40		T.J. Papers Ltd. Narayangonj	1



List of our EOT Crane Customers-3

SI	Company Logo	Name of Company	Qty	SI	Company Logo	Name of Company	Qty
41		Maloncho Holding Ltd. Dhaka	1	53		Al-Noor Group Narayangonj	2
42		Hassen Yain Dyeing Ltd Gazipur	1	54		Ananta Group Narayangonj	1
43		Fazlul Haque Steels Ltd Dhaka	2	55		Ehsan Steel Re-Rolling Mills Ltd. Chittagong	1
44		Jiry Subedar (Oxygen Plant) Chittagong	2	56		Champa Steel Re- Rolling Mills Ltd. Chittagong	1
45		Babylon Tims Ltd Dhaka	1	57		S.S. Steel re-Rolling Mills Ltd. Gazipur	1
46		Ehsan Steel Re-Rolling Mills Ltd. Chittagong	3	59		Nassa Swing Thread Ltd. Narayangonj	1
47		Fair Yain Dain Ltd. Gazipur	1	60		New Apollo Cutting & Corrugation Keranigonj	1
48		Anando Shipyard Ltd. Narayangonj	1	61		Brothers Paper Mills Ltd. Keranigonj	1
49		Ahmed & Brothers (Majumder Steels Ltd.) Narayangonj	3	62		Quality Paper Mills Ltd. Gazipur	1
50		Asia Paper Ltd. Chittagong	1	63		Gunze United Ltd. Dhaka	3
51		Creative Paper Mills Ltd. Narayangonj	2	64		Tasnim Chemical Complex Meghna Group	1
52		Chada Steel Re-Rolling Mills Ltd. Dhaka	1	65			