



Ref No: GBM/186A/23-24

Date: 28th June, 2023

To,
M/s JINDAL ALUMINIUM
Bhiwadi

KIND ATTN. : Mr. Mohan
CONTACT : +91-8023715555
Email : purchase@jindalaluminum.com

SUBJECT : OFFER FOR INDUSTRIAL ALUMINIUM AGING OVEN (Automatic-Gas Fired)

Dear Sir,

We are very much thankful for your enquiry of above-mentioned subject. As in this regard we introduce ourselves as an **ISO 9001:2015 certified company** and a leading Manufacturer & Exporters of all types of Industrial ovens & allied equipment's in India/abroad on turnkey basis.

We offer plant and equipment which are best in Design, Material and Workmanship and incorporate the latest development in the field of Industrial heating & finishing. Our equipment's are based only on the most modern technology to give UNIQUE, UNMATCHED BENEFITS.

MANUFACTURING RANGE OF GBM INDUSTRIES:

- Industrial drying oven (Batch type & Conveyorized type)
- Powder Coating Booth with Recovery Cyclone (Batch / Automatic Conveyorized type)
- Liquid Paint Water-wash Screen Booth, Down / Side Draught for Industrial Painting.
- Entire Batch & Conveyorized Powder Coating/Liquid Paint System on turnkey basis.
- Dip/Spray type Pre-Treatment Plants with painting systems.

After carefully reviewing your details, we are giving herewith our techno-commercial offer of user-friendly equipment as per your requirement, and hope the same will satisfy you.

If you have any further query or clarification, please feel free to contact us.

Thanking you and assuring you our best attention at all times, we remain

Yours truly,
For **GBM INDUSTRIES**
Radhika Gulyani
(+91-9996055996)

Mr. Manish Verma (MD)
(+91-9810773597)

Enclosed: Technical specification, Price schedule, Commercial terms & conditions & Order details.



QUALITY STANDARD: AS PER INTERNATIONAL STANDARD ORGANIZATION 9001:2015

OFFER FOR INDUSTRIAL ALUMINIUM AGING OVEN: (AUTOMATIC GAS FIRED)

OVEN CHAMBER CONSTRUCTION:

Oven is double walled and fabricated on angle iron structure and properly reinforced wherever is necessary. Outer made up of 12/18-gauge mild steel sheet and inner made up of 18-gauge MS Sheet & outer surface painted with two coats of primer and two coats of enamel paint and Inner will be painted with heat resistant aluminum paint.

INSULATION:

Between the two walls of oven a combination layer of 100 mm super quality Rock wool of density 96 Kg/m³ is filled as heat insulator to minimize the heat loss.

DOORS:

The oven will have 100 mm insulated Single Leaf door on front will be mounted on robust hinges complete with handles and locking arrangement with ball latch system for easy movement of closing and opening of doors. The door will be provided with insulation gasket to avoid any leakage from the doors.

HEATING SYSTEM: (Automatic Gas Fired)

A separate unit (Hot air generator) will be fitted at the top of the oven chamber for Gas firing and transferring/recirculating of heat to the working chamber. The oven heat sources system hot air generator made from the SS 304 Sheets; Combustion chamber will be fabricated out of 3 mm thick cylindrical from SS304.

AIR CIRCULATION:

Forced Air circulation is provided with suitable dynamically balanced centrifugal blower fitted at the hot air generator to circulate the air in the inner working space and the blower is driven by a V belt with the help of motor of suitable capacity. V belt motor and bracket with bearing are fixed outside the chamber for easy servicing and oiling as and when required. Hot air is blown and after passing through the charge is drawn up for re-circulation to assure uniform heating throughout the inner chamber.

DUCTING:

The ducting required for the distribution of hot air inside the oven to ensure uniform temperature inside the working chamber is made from MS Sheet in 18 SWG and flue gas exhaust ducting made from 18 SWG MS Sheet and will be painted with heat resistant aluminum paint

FLUE DAMPERS:

An adjustable damper is provided at the top of the oven to exhaust the fume or moisture vapor, which are produced by the material lying inside the chamber.

TEMPERATURE CONTROL:

Temperature is controlled by a long-life digital display temperature controller.



CONTROL PANEL FOR OFFERED INDUSTRIAL ALUMINIUM AGING OVEN:

CONSTRUCTION: The control panel will be made from CRCA steel sheet of 16 gauges. All incoming and outgoing cable entries shall be from top or bottom side. Key lockable type door locking arrangement will be provided for all doors. Gasket shall be provided for all doors.

FINISH: The control panel shall be duly powder coated in Siemens grey colour.

CONTROL PANEL MOUNTING POSITION: Mounted on right hand side of oven chamber.

ELECTRICAL SUPPLY: 415 Volt, 50 Hz, 3 phases, 4 wire A.C. system only.

The offered pre-wired control panel will consist of following basic items:

- | |
|--|
| • Indicating Lamps for main supply, Burner, Blower(s) etc. |
| • Digital VAF meter |
| • Digital display Temperature Controller |
| • ON/OFF switches for Burner and blowers |
| • Batch Timer with Hooter |
| • Contactors |
| • Over load relays for all motors |
| • MCB / MCCB |
| • Etc. |





TECHNICAL SPECIFICATION FOR INDUSTRIAL ALUMINIUM AGING OVEN

INNER WORKING DIMENSION	1800(H) x 1800(W) x 5000(D) MM
OUTER DIMENSION	3800(H) x 2300(W)+CONTOL PANEL x 5300(D) MM
DESIGN TEMPERATURE	250°C
INSULATION	100 MM
DOOR TYPE	SINGLE LEAF ON FRONT
TEMPERATURE CONTROLLER	Digital display Temperature Controller
HEAT SOURCE	Via Gas Fired Heat Exchanger
CAPACITY	1-Lakh/kcal-hr
AIR CIRCULATION BLOWER	3 HP/3PH/1440 RPM x 2 No.
TOTAL ELECTRIC LOAD	4.5 KW
TROLLEY	1600(H) x 1600(W) x 4500(D) MM (1 Nos.)
MOC OF TROLLEY	Heavy Duty MS Angle

PRICE SCHEDULE FOR OFFERED MATERIAL

<u>S.NO.</u>	<u>PARTICULARS</u>	<u>QTY.</u>	<u>RATE (INR)</u>	<u>AMOUNT (INR)</u>
A.	INDUSTRIAL ALUMINIUM AGING OVEN (as per above specifications)	1 Set.	12,65,000/-	<u>12, 65, 000/-</u>
INR (in words): <u>TWELVE LAKHS SIXTY FIVE THOUSAND ONLY-</u>				

NOTE: Erection & Commissioning @ 6% is in Client's scope.

Taxes as applicable and freight at actual will be charged extra.

Address: Unit-1: B-4, Red cross road, Part-B, M.I.E., Bahadurgarh-124507, Haryana.

Unit-2: Plot no. 145, Sector-16, HSIIDC, Bahadurgarh-124507, Haryana.

Website: www.gbmindustries.com, **Email:** Info@gbmindustries.com



SAFETY FEATURES:

- ✓ Burner and blower interlock, the burner will not start if the blower is not ON.
- ✓ Thermocouple failure safety.

MAKE OF MAJOR RAW MATERIAL/ BOUGHT OUT ITEMS:

- ✓ ELECTRIC MOTORS : CG/ ABB/ BBL
- ✓ HEATING ELEMENTS : GBM
- ✓ BLOWERS : GBM
- ✓ BEARINGS : NTN / SKF / FAG
- ✓ INSULATION : LLYOD / POLYBOND
- ✓ BURNER : UNIGAS/ECOFLAME/RIELLO
- ✓ SS MATERIAL : SAIL / JINDAL
- ✓ MS MATERIAL : TATA / ESSAR / BHUSHAN
- ✓ PANEL CABINET : GBM
- ✓ TEMPERATURE CONTROLLER : OMRON/SELEC
- ✓ ELECTRICALS : SCHNEIDER / L&T/ SIEMENS

SCHEDULE OF EXCLUSION: (BUYER'S SCOPE)

- ✓ Electric supply up to our Equipment/Control Panel.
- ✓ All kind of civil work (If any required).
- ✓ Utilities required for commissioning of equipment should be provided free of cost during installation.
- ✓ Exhaust ducts.
- ✓ Labor for assistance in installation, movement of equipment's etc.
- ✓ Tools, tackles, Semi-skilled and unskilled manpower required for erection of the equipment.
- ✓ Unloading & safe storage of material at site & shifting of material up to erection site.

NOTE: The dimensions of equipment are approximate and minor changes may be possible at the time of designing for betterment of product.



TERMS & CONDITIONS OF SALE:

PRICES:

The rates mentioned are Net ex-our factory. Packing, Forwarding, Freight, Insurance & commissioning charges shall be extra.

ERECTION AND COMMISSIONING: will be charged 6% extra on basic value.

- Unloading, lifting, shifting of equipment to respective location, safe storage of unit at site will be scope of client. However, loading at GBM plant will be done by GBM team.
- If tackles like forklift, pallet, chain & pulley, Crane, ladder and mezzanine etc. is required at site during erection & commissioning then it will be in client scope.
- Heavy labor (if required) for erection & commissioning will be in client scope.

PACKING CHARGES: All items will be packed with self-sticky polythene wraps and bubble poly sheet. Additional safe packing will be done for delicate items like control panel etc.

TAXES:

Taxes will be charged as applicable at the time of delivery. Presently:

GST: 18%

Service tax: 18%

DELIVERY DATE:

The equipment shall be made ready for delivery within 6 - 7 Weeks after receiving your official Purchase order along with requisite advance and drawing approval.

E&C Duration: Erection & Commissioning will take around 3-4 Days approx.

PAYMENT TERMS:

50% value of the order placed should be sent as an advance along with the official Purchase order & balance payment against Pro-forma invoice prior to dispatch.

FREIGHT CHARGES:

In case the equipment is to be dispatched by us on your behalf to a destination named by you, the same will be arranged by us on a freight to pay basis.

WARRANTY:

All our equipment is thoroughly tested before dispatch and therefore can be depended upon for long trouble-free service. We undertake to make goods, by replacement or repair, Defects arising out of faulty design, material or workmanship, excluding those due to wear and tear within fifteen months of the date of dispatch or twelve months from the date of Commissioning, whichever is earlier, bought out components are guaranteed by us only to the extent of guarantee given to us by our suppliers.

FORCE MAJEURE:

Every effort will be made to deliver the goods within stipulated delivery period, but we take no responsibility for any delay occasioned by reasons beyond our control, known as 'Force Majeure'.

INDEMNIFICATION:

We will endeavor to deliver the product on time, however GBM Industries and / OR its employees and management shall not be held responsible for any direct/indirect and OR any consequential losses incurred if any by the client.

Address: Unit-1: B-4, Red cross road, Part-B, M.I.E., Bahadurgarh-124507, Haryana.

Unit-2: Plot no. 145, Sector-16, HSIIDC, Bahadurgarh-124507, Haryana.

Website: www.gbmindustries.com, **Email:** Info@gbmindustries.com



VALIDITY:

The Quotation shall remain valid for a period of one month from the due date of enquiry and thereafter subject to our acceptance.

TRANSFER OF RISK:

All deliveries will be ex-works and all risks shall pass on to the purchaser at the latest as from the time of dispatch from our works.

INSPECTION:

If required, may be carried out at our works with prior intimation. If delayed to supply the order for any reason whatever, the firm will not be liable to pay any compensation.

JURISDICTION:

The legal issue if involved will be subjected to New Delhi courts.

STORAGE CHARGES:

We shall charge a storage charges of @1% per week, one week after the complete machine is offered for inspection, in case of the delay in the inspection of the machine and also in case there is delay of more than one week in the release of the payment from the date of the clearance of the pre dispatch inspection and submission of Performa invoice.

THE ORDER CAN BE MADE AT:

COMPANY NAME	M/s GBM INDUSTRIES
CONTACT PERSON	Mr. MANISH VERMA
ADDRESS (UNIT-1)	Plot no.: B-4, Red crossroad, Part-B, M.I.E., Bahadurgarh, Haryana, INDIA
ADDRESS (UNIT-2)	Plot no.: 145, Sector-16, HSIIDC, Bahadurgarh, Haryana, INDIA.
Email:	mverma@gbmindustries.com
Phone (Hand phone)	+91-9810773597, +91-9654700700
Phone (Landline)	+91-1276-297597

