AADITYA EQUIPMENTS

CONSTRUCTION EQUIPMENT

SCAFFOLDING

CONSTRUCTION LAB EQUIPMENT

WE PROVIDE BEST

QUALITY PRODUCTS

COMPANY PROFILE

AADITYA EQUIPMENTS

In this new millennium where construction activities are significant across the globe it is essential to source materials and other such construction related equipments from experienced, trusted, time tested and quality conscious manufacturers complying with international safety norms and standards. It is imperative that logistics and sticking with stringent delivery schedules are also important to facilitate timely available of necessary equipments in construction sites. However we understand that you are using scaffolding equipments for construction activities it will be our pleasure to serve your esteemed organization.

We are the leading supplier of scaffolding and industrial machines in Raipur Chhattisgarh. We are also a manufacturer of Scaffolding and construction equipment. We deal with various mixture machines, weigh batcher, concrete lift and trolley.

We are also having a high quality binding & cutting bar machines. Aaditya Equipments is one of the leading concern of Raipur Chhattisgarh in the business of renting out of scaffolding to major construction companies.

We basically deals with shuttering material and building equipment in raipur Chhattisgarh. We also provide the best quality products for jack props and scaffolding manufacturer.



OUR EXCELLENCE

One thing that distinguishes our organization from other is the quality of the products it offers to its buyers. We have not even an iota of doubt about the quality and the reliability of the product. Because we put the most sincere efforts to provide the best quality products in committed time span.

CONSTRUCTION EQUIPMENT

10/7 Concrete Mixer with Hopper (Manual)



Descriptio

10/7 Mechanical Type	With Hopper
Drum Capacity	Unmixed 10 cft
Drum Speed	18RPM
Concrete Mixing Time	175 Sec Approx
Over-All Dimensions	L2800mm W-1700mm H-2500mm
Self Wt.	1500 kg
Wire Rope Dia	12mm
Drum/Yoke	Casting (Also Available in M.S.)
Wheels	Pneumatic
Prime Mover	6HP Air-cooled Engine or 5HP 3-Phase Motor.

10/7 Concrete Mixer without Hopper



Description

10/7 Mechanical Type	With-out Hopper
Drum Capacity	mixed 7 cft
Drum Speed	18RPM
Concrete Mixing Time	175 Sec Approx
Over-All Dimensions	L-2700mm, W-1700mm, H-2150mm
Drum/Yoke	Casting (Also Available in M.S.)
Wheels	Pneumatic
Prime Mover	6HP Air-cooled Engine or 5 HP 3-Phase Motor

10/7 Concrete Mixer Fully Automatic



Description

Capacity	10/7 Cubic ft (Unmixed 300 ft / Mixed 200 ft)
Power	7.5HP 3 Phase Electric Motor
Wheel	Pneumatic Wheels with extra strong Jacks
Drum	Heavy Duty MS Material Drum with Bearing and MS Blades
Yoke	Heavy Duty Hydraulic Operated
Drum Capacity	Unmixed 10 cft
Drum Speed	18RPM
Water Tank	35 Liters
Water System	Digital Water Flow System
Weighing system	Inbuilt Load-cell based Digital Weighing system
Dimensions	L-3500mm W-2400mm H-3000mm
Antivibration pad	Used Heavy Duty Ant-vibration Pad
Self Weight	1500 kg approx
Out Put	8 Cubic m/hr

CONSTRUCTION EQUIPMENT

10/7 Concrete Mixer Hydraulic (Diesel)



Description

Capacity	7 Cubic ft (Unmixed 300 ft / Mixed 200 ft)
Power	7.5 HP 3 Phase Electric Motor
Wheel	Pneumatic Wheels with extra strong Jacks
Drum	Heavy Duty MS Material Drum with Bearing and MS Blades
Yoke	Heavy Duty MS Material Yoke
Hopper	Heavy Duty Hydraulic Operated
Drum Speed	18 RPM
Dimensions	L-3500mm, W-2400mm, H-300mm
Antivibration pad	Used Heavy Duty Antivibration Pad
Self Weight	1500 kg approx
Output	8 Cubic m/hr

1 Bag Tilting Type Mixer



Description

Drum Capacity	7 Cubic ft
Motor	5 HP III-Phase Electric
Drum Speed	20 RPM
Self Wt.	750 kg Approx.
Over All Dimensions	L-1800,
	W-940,
	H-150

1/2 Bag Portable Type Mixer



Description

Drum Capacity	3.5 Cubic ft
Motor	2 HP I-Phase Electric
Drum Speed	20 RPM
Self Wt.	250 kg Approx.
Over All Dimensions	L-2100,
	W-900,
	H-120

CONSTRUCTION EQUIPMENT

Reversible Mixer –PRM 1050



Description

Model	PRM 1050	PRM 800	PRM 600
Hopper Capacity	1050 Ltrs	800 Ltrs	600 Ltrs
Batch Capacity	800 Ltrs	600 Ltrs	500 Ltrs
Power	15 HP 3 Ph Ele. Motor	10 HP 3 Ph Ele. Motor	10 HP 3 Ph Ele. Motor
Water Tank	250 Ltrs	180 Ltrs	180 Ltrs
Weight	3000 Kgs	2350 Kgs	2150 Kgs
Dimension	L- W- H-	L-4150, W-2950, H-3110 mm	L-3750, W-2250, H-2850 mm
Machine Output	15 cu. mt/Hr	12 cu. mt/Hr	-
Per Hour			

Tower Hoist



Description

Model	60 FTS	100 FTS	200 FTS
Engine	10 hp air cooled diesel engine	12 hp double cylinder air cooled diesel engine	12 hp double cylinder air cooled diesel engine
Electric	10hp 3 phase electric motor	10hp 3 phase electric motor	10hp 3 phase electric motor
Capacity	7 CFT	7 CFT	7 CFT
Max height	60 fts	100 fts	200 fts
Wire rope	12 mm usha martin steel	12 mm usha martin steel	12 mm usha martin steel
Wire length	250 fts	350 fts	650 fts
Wheel	04 pneumatic	04 pneumatic	04 pneumatic
Column angle	60 fts in 50x50x5mm	60 fts in 65x65x6mm	60 fts in 65x65x8mm

Mini Krane - 150 Kg



Description

Lifting height	150 ft
Boom projection from	2080 mm
counter load box	
boom height from ground level	1850 mm
Winch	Frection Roller Drive
Prime mover	3 hp single phase crompton motor
RPM	2800
Wire rope thickness	10mm (usha martin)
Bucket Size (lxwxh) mm	650x650x450mm
Bucket volume	90 ltr
Overall dimension (lxwxh)	1600x700x100mm

CONSTRUCTION EQUIPMENT

Mini Crane – 300 Kg



Description

Lifting height	150 ft
Boom Projection form counter load box	2170 mm
Boom height from ground level	1850 mm
Winch	friction roller drive
Prime mover	3hp single phase crompton motor
RPM	2800
Wire rope thickness	10 mm (usha martin)
Bucket size (L×W×H)	800×800×400 mm
Bucket volume	140 ltr
Overall Dimension (L×W×H)	1630×700×1800

Bar Bending Machine



Description

Bending Capacity	42 mm
Size (L×W×H)-mm	840×830×1000
Weight	550 kg approx
Electric Motor	5 hp 3 phase
RPM	1430
Motor Type	Break Motor
No. of Dies	5 nos

Mini Crane – 500 Kg



Description

Lifting height	200 ft
Boom Projection form counter load bracket	1800 mm
Boom height from ground level	2500 mm
Winch	gear box driven
Prime mover	3hp 3 phase crompton break motor
Motor type	290 VDC break type
RPM	1500
Wire rope thickness	10 mm (usha martin)
Bucket size (L×W×H)-mm	920×650×500 mm
Overall Dimension (L×W×H)	2600×2700×2500 mm

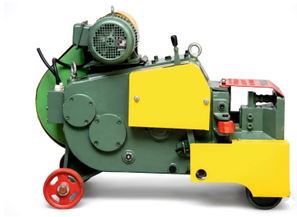
Bar Cutting Machine



Description

Shearing Capacity	42 mm
Size (L×W×H) - mm	1140×690×930 mm
Weight	750 kg approx
Electric Motor	5 hp 3 phase
Make	Crompton Greaves
RPM	2840

Bar Cutting Machine



Description

Weight (kg)	510
Overall Dimension (cm)	125 × 56 × 95
Max. Cutting diameter	A3# 42 mm
For Steel bar	45# 37 mm
Max. Cutting Size for plate Steel	70 × 15 mm
Max. Cutting Size for Square Steel	(Q235A) 32 × 32 mm
Consecutive cutting (r/min)	48
Power of Motor (Kw)	3

Weigh Batcher



Technical Specification

Specification	Weight Batcher Scale Type
Capacity	250 kg each for Sand & Metal (2 Hopper Bins)
Chassis	Heavy Duty Robust Chassis
Weighing System	Fine adjustment of 0/50 kgs with jockey & Pan Weight of 20 kgs, 50 kgs, 100 kgs
Transmission	Mechanical Heavy Duty M.S. wheel – 4 nos

CONSTRUCTION EQUIPMENT

Weigh Batcher



Description

Model No	SAFARI 850
Capacity	2 bins suitable for 10/7 cuft concrete mixer
Chassis	Heavy Duty Chassis of 75×40 mm channel
Wheels	Metal Wheels - 4 nos
Dimensions	L 1900 × W 1225 × H 1710 mm
Weight	300 Kg

Earth Compactor



Technical Specification

Size (LxWxH)	720 x 520 x 1300 mm
Prime Mover	Greaves Diesel Engine (Lombardini)
Max. Rated Power	5hp @ 3600 RPM
Compaction	3 to 4 Tons
Travel Speed	8 mtr/min
Plate Thickness	17 mm
Special Feature	Full Body in MS

CONSTRUCTION EQUIPMENT

Electric Compactor



Description

Size (L×W×H) - mm	800 × 500 × 1000
Prime Mover	Electric Motor (Crompton Greaves)
Motor	2 hp single phase
Compaction	2 to 3 tons
Travel Speed	12 mtr/min
Plate Thickness	17 mm
Special Feature	Full Body in MS

Slab Trolley



Description

Capacity	7 CFT (wet)
Discharge	360°
Wheels	Specially designed in PU material
Track	42 mm OD MS pipe
Track Length	100 ft long with 1 right & 1 left bend

Concrete Mixer cum Hoist (Lift)



Description

Model No.	SAFARI 1000 MCL
Capacity	7 Cubic ft
Prime Mover	10 HP air cooled HSD diesel engine
Mixing Drum Volume	500 Litres
Height	55 Feet
Hoist Bucket Capacity	250 Liters
Drum Speed	18 rpm
Yoke	100×100×5 mm seamless MS Pipe, Bearing System
Chassis	Heavy Duty MS 125 × 65 mm Channel chassis
Drive Chain	Rolon brand
Handi / Drum	Heavy Duty CI drum
Column/Tower	100 × 50 C Channel Tower
Wire Rope	12 mm, 8×19, Usha Martin
Drive	Clutch Type
Wheels	Brand new 600×19 pneumatic tyre with hub & bearing system, pressed steel plate rims – 4 Nos
Dimensions	L 2909 × W 2134 × H 2744 mm
Weight	2200 Kg

CONSTRUCTION EQUIPMENT

Heavy Duty Trolley



Chain Type Trolley
(for Mini Krane)
25 kg. Approx



Regular heavy Trolley
(22 kg. Approx)



Angle Type Trolley
(22-23 kg. Approx)



Double Wheel Barrow
(41 Kg. Approx)



Boss Trolley
(23 Kg. Approx)

SCAFFOLDING

Roll Threaded Adjustable Steel Props

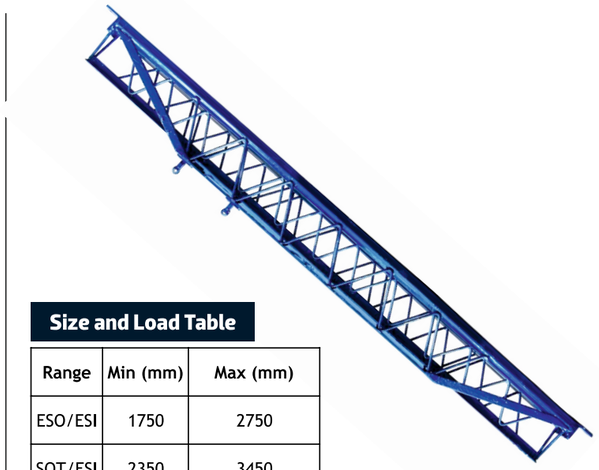




Size and Load Table

Size	Height Closed (mtrs)	Height Extended (mtrs)	Safe Axial Load Closed (kgs)	Safe Axial Load Extended (kgs)
NO	1.1	1.75	3500	3000
1N	1.5	2.75	3200	2300
2N	2	3.25	3000	2200
3N	2	3.75	2900	2000
4N	3	4.5	2300	1150

Adjustable Telescopic Span



Size and Load Table

Range	Min (mm)	Max (mm)
ESO/ESI	1750	2750
SOT/ESI	2350	3450
SO/SI	2450	4150
SO/LI	3050	4750
LO/SI	3150	4950
LO/LI	3150	5550

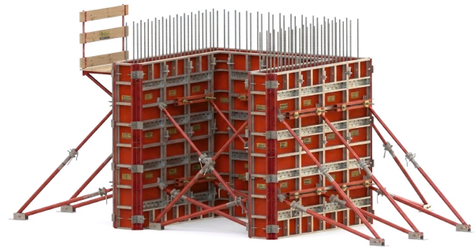
Cuplock System



This is a multi purpose system which is used for plastering, supporting structures, for lift machine (Hoist) etc. This system can be erected for straight, circular and also curved structures. This system has horizontal and vertical members. Horizontal members is locked to vertical members by cups provided on it. The cups on the vertical members are of malleable cast iron and pipes used are of 40 NB pipe, forged blades are welded on both corners.

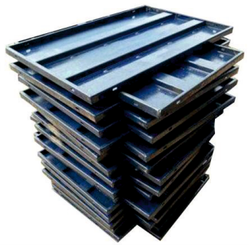
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Waller clamps



These are the latest and most effective solution for maintaining better line level of bigger column sizes manufactured in square tube or ISMC in different sizes

Centring Plates





Angle Centering Plates

Fabricated from 2/1.6 mm thick sheet &30/35/25×30/35/25x5/4/3 mm angle. Wide range of sizes available. As per buyers specifications. Different options available. Adjusters are also made to fill up odd shapes. (Gabdi Plates) Columns/beams sides also availabel of230x2500 mm or any specified size.

H– Frame Scaffolding



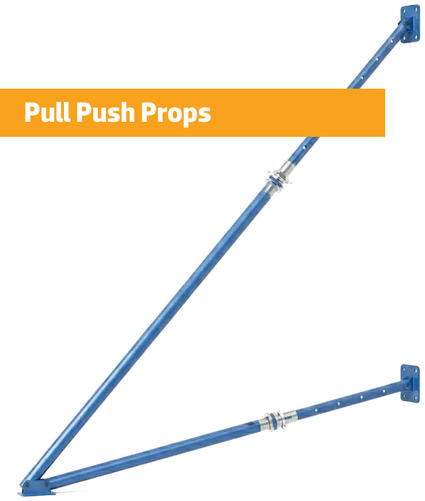
Ideal as access scaffolding and support centering. Consists of welded frames with two verticals with sockets welded to them &two 40 N.B.horizontals. Frames manufactured in heights of2000, 1250 and 1000 mm and width 1800mm, 12500mm &1000mm.

Round columns



Manufactured in different Diameters and Height along with Starters We disign round columns as per their dimension and then accordingly use the raw materials ie, ISA, Sheet etc.

Pull Push Props



Ideal for Support of Centering Formwork of retaining walls along with wallers by using props Top/Bottom attachments

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H-20 Beam Form Work



Technical Specifications	H20 protect
Permissible modulus M (kNm)	5
Permissible shearing force Q (kN)	11
Section modulus W (cm3)	462
Geometrical moment of inertia J (cm4)	4618

Aluminium Slab Formwork System



Aluminium slab form work system consists of two parts steel props system with Alu-prop head, and Slab Pannels of Alu-Frame & Plywood.

Adjustable Column Clamps



- Light weight, easy and quick to use system.
- Easy column making in 18/21 mm Board.
- Assemble the column, nailing the 3-ply shuttering panels to form the column at the necessary size.
- Place the column brackets as shown in the pictures. Fix the column brackets to the 3-ply panels using nails in the suitable holes.
- Fix the column brackets with a hammer blow on the wedge.
- Depending on the height of the concrete pouring, put the brackets around the column with the appropriate span.
- Strut and plum using props engaged with upper column brackets.
- Concrete pouring rate must not exceed 2.50 meter/hour of vertical filling.

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Pipe & Couplers



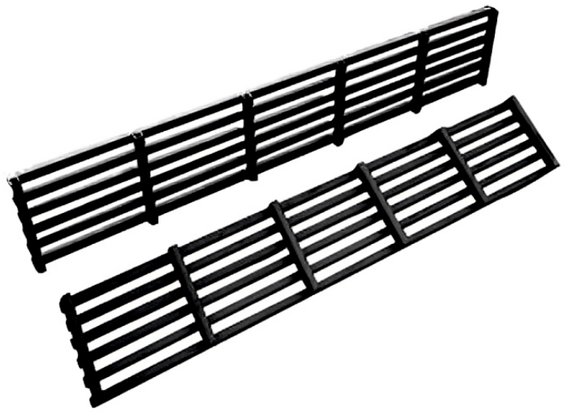
40 NB Bracing Tubes as per IS 1239 Standard
40 NB Tubes are available as per IS 1239 Medium class very commonly used for bracing of props having opening more than 3m or also used for bracing of H-frames or supporting of structures/slab using stirrup heads at top.

M.S. Wall Form Work



Our Wallform system includes of plates welded from 45x45x5mm slotted angle, holes at 50mm c/c. Stiffeners of MS Flat and top sheet 2.5mm thick HRC Sheet - is welded to angle frame using the process of Bullet welding for better finish and strength. Soldier of same material specification commonly 100x2500 mm in height.

Plastering Plank



Made from 20x20x1.5 mm thick Square Tube or 25x25x1.5mm thick Square Tube Complete Plank is Co2 Welded for more Durability & High Quality Welding Strength. Dip painted with one coat enamel paint.

CONSTRUCTION LAB EQUIPMENT

Lab CBR Test Apparatus



- Capacity: 50 KN (5000 kg)
- Strain rate: 1.25 mm per minutes
- Power: 220 V, Single phase AC supply
- CBR Mould with collar & base plate
- Penetration piston, 50 mm die with bracket
- Perforated brass swell plate with stem & locknut
- Annular & slotted metal weight 2.5 kg
- Aluminum tripod stand
- Rammer 50 mm internal die 2.6 kg & 4.89 kg
- Proving ring 10 KN capacity with calibration certificates in teak wooden carrying case
- Dial gauge 0.01 mm * 25 mm travel

Sieve Shaker

The Sieve Shaker is used to make the process of sieving easier and quicker. The sieve shaker effects a more elaborate and standardized sieving action to produce accurate results and eliminate personal errors involved in manual sieving. The sieve shaker equipment can carry up to 8 sieves. The shaker produces the gyratory as well as the tapping motion.

Specification:

- Sieve Shaker Motorised carries 7 sieves, 20 cm diameter
- The sieve shaker is driven by 1/4 HP motor through reduction gearbox
- Suitable for operation on 250V, 50 Hz, AC supply



Standard Test Sieves



The analysis of soils by particle size through these Standard Test Sieves provides a useful engineering classification system from which a considerable amount of empirical data can be obtained. Standard Test Sieves helps in ascertaining possible frost action, determining graded filters, selection of grouting materials, designing of cement and asphaltic concrete mixes, etc. Two different procedures are used for coarse and fine soils. Sieving is used for gravel as well as sand size particles and sedimentation. For soil containing coarse and fine soil particles, test sieves are useful to employ sieving procedures.

Specification: ◆ Diameter: 300-450 mm ◆ Material: GI ◆ Colour: Grey

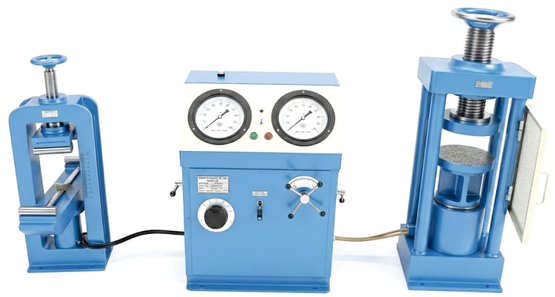
CONSTRUCTION LAB EQUIPMENT

Compression Testing Equipment (Manually Hand Operated)

- Capacity (In kN): 1000 kN
- Pressure Gauge (In kN): 1000 kN
- Least Count (In kN): 5 kN
- Pressure Gauge Diameter (mm): 150
- Vertical Daylight (mm): 320 (Adj)
- Horizontal Clearance (mm): 260
- Platen Size (mm): 220 x 165
- Ram Diameter (mm): 165
- Ram Travel (mm): 50
- Cube: 100mm, 150 mm
- Cylindrical: 100 mm x 200 mm, 150 mm x 300 mm
- Brick: 100 x 100 x 220 mm



Electrically Cum Manually Compression Testing Equipment



Description

Capacity (In kN)	1000kN
Pressure Gauge (In kN)	1000kN, 250kN
Least Count (In kN)	5kN, 1kN
Pressure Gauge Diameter (mm)	200

Automatic Digital Compression Testing Machine



Description

Capacity (In kN)	250kN
Digital Indicator (In kN)	250kN
Least Count (In kN)	1kN

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EQUIPMENTS

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