



**INTERNATIONAL
FACTORY OF
CONCRETE
EQUIPMENT**



15 years of successful experience
from the international
manufacturer



European quality to meet the most
demanding conditions

Production :

- **Concrete mixing plants**
- **Paving tile production line**
- **The line for the production of dry construction mixes**
- **Screw and belt conveyors**
- **Screen for sifting sand**
- **Cement silos**
- **Garbage sorting line**



Validity of commercial offer: 5 days

Issue / No. 15032021 SH

Technical and economic description of concrete plant ABZU-55



Technical characteristics of ABZU-55

Characteristics of the mixer	
<ul style="list-style-type: none"> • type • model • volume per download • volume ready mixture 	Single-shaft rotary GK Monolit 1500 1500 liters 1000 liters
filling fractions and volume of bunkers:	2x16m ³
Cement composition	
<ul style="list-style-type: none"> • number of silos • volume of each silo 	2 50 m ³ , 65 tons
Installed capacity	Up to 100 kW
Oversized dimensions	
<ul style="list-style-type: none"> • length • width • height 	30 m 25 m 17 m



Our partners




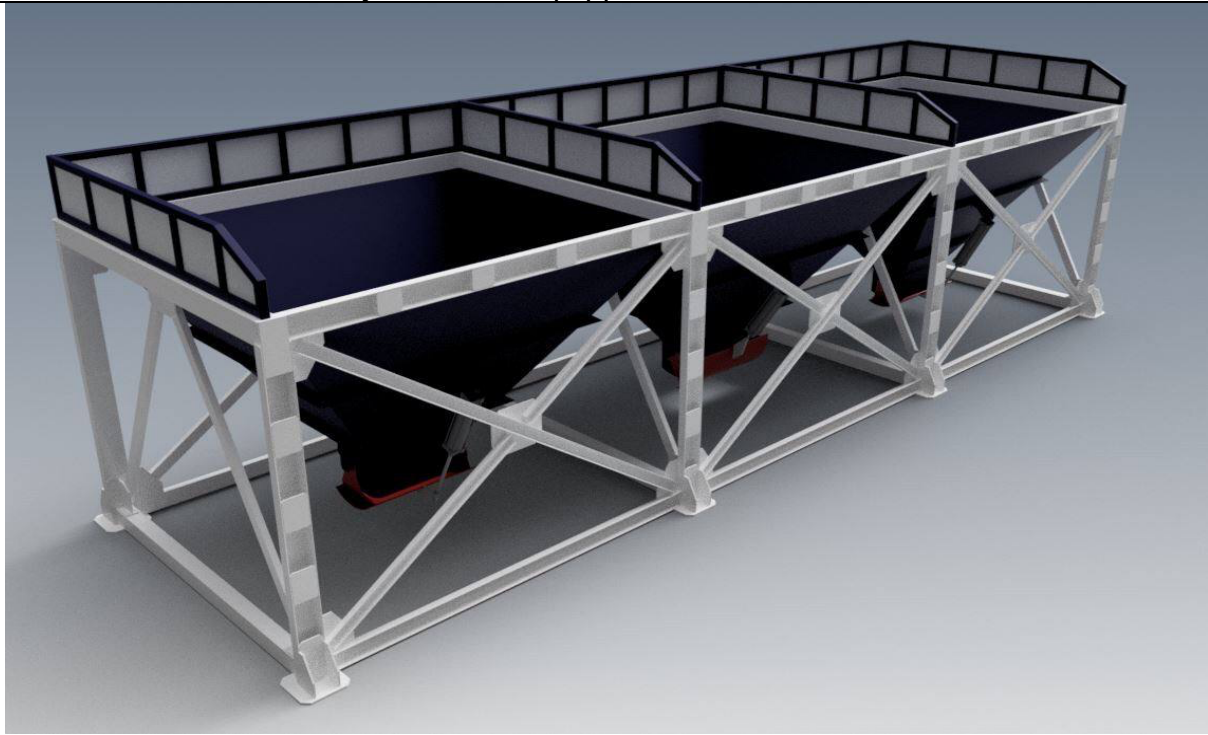
**INTER
BETON**

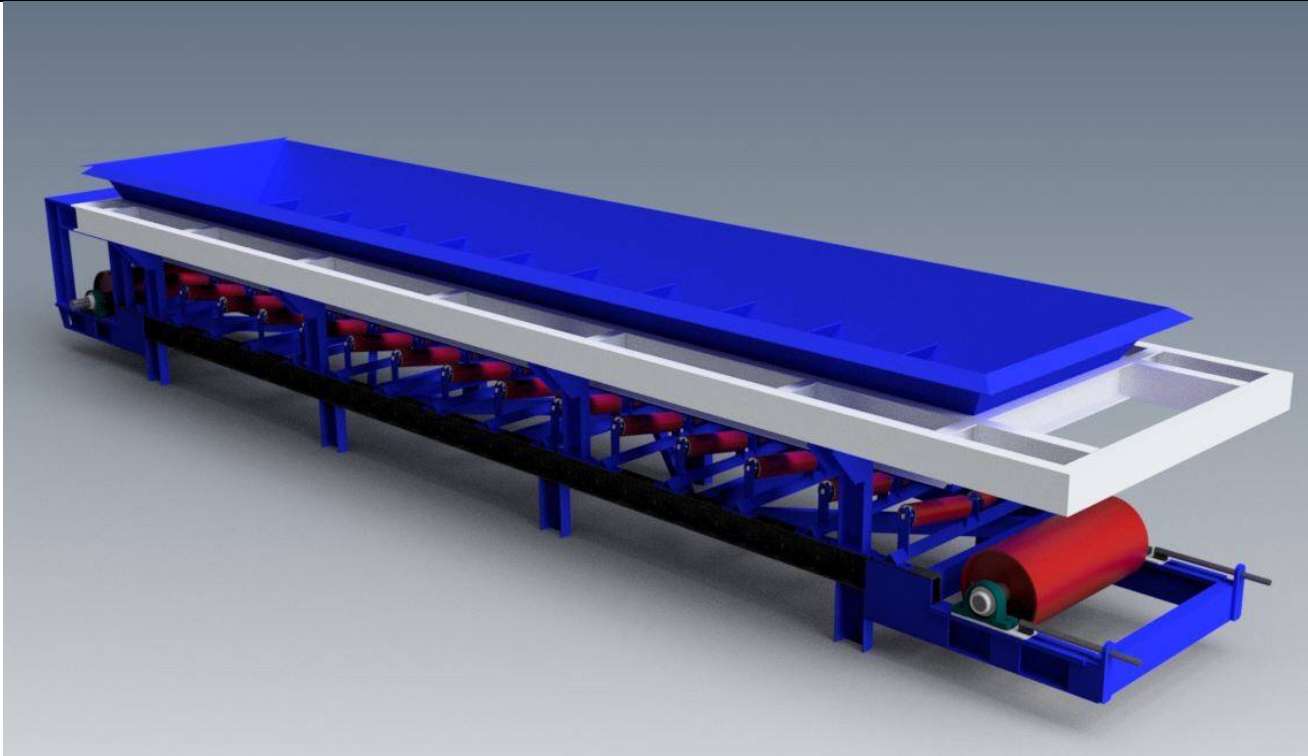



Brief description of ABZU plants

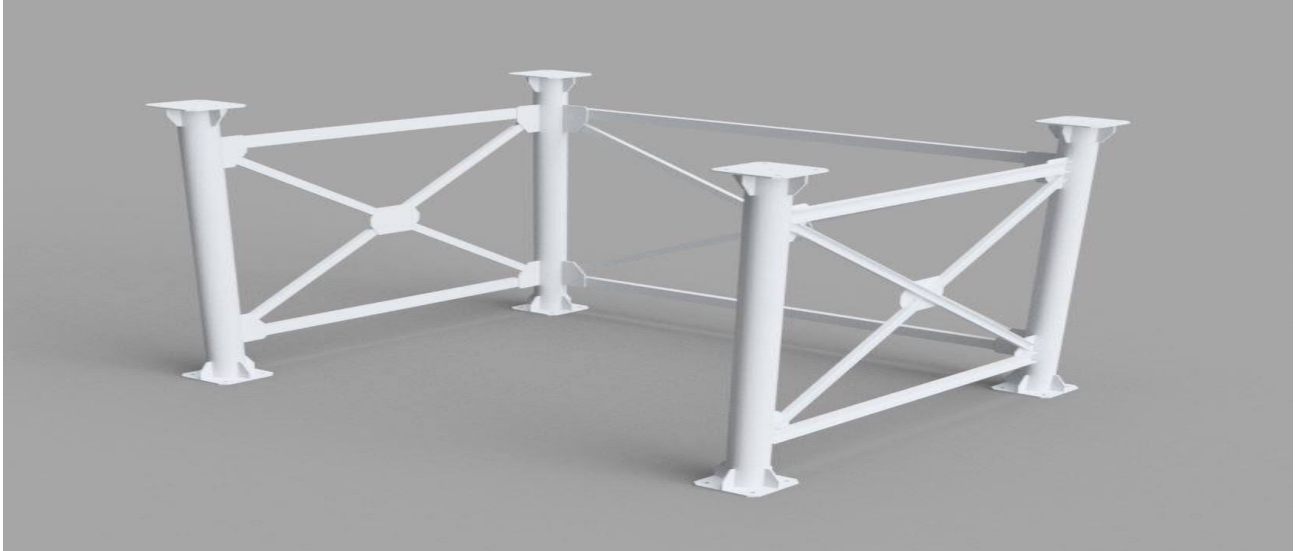
Item no	Name	Producer	Quantity	Choice of options by the customer +/-	Base / option	Total cost including VAT
1.	ABZU mixing unit					
	Concrete mixer 1500 /1000 		1	x (basic configuration)	x	
<p>Super strong corps mixer, and also him processing with using machines with ChPK guarantees accurate Location supports mixer shaft during work at full loading</p>						
Description and technical characteristics						
	Loading volume of dry materials	1500 liters	Standard equipment			
	Volume of compacted concrete per cycle	1000 liters				
	Cycle time	60 sec				
	Productivity per hour	55m3				
	Mixer motor power	37 kW				
	Maximum filler fraction	up to 80 mm.				
	Shaft rotation speed	25 rpm				
1.2	DC-500 cement dispenser					
		Ukraine " MONOLIT "	1	x (basic configuration)	x	
<p>Dispenser cement gravimetric tensometric DC- 500 responds State registers of measuring instruments techniques of Ukraine. It high precision instrument with range weighing to 495 kg, with accuracy dosage $\pm 1\%$. The dispenser is installed above the mixer on 3's special tensometric supports reliable and infallible in work. Unloading dispenser is carried out by rotating valve type " butterfly ". For acceleration release material on body dispenser is established vibrator.</p>						
	CAMOZZI pneumatic drive	Italy	1	x	x	x
	Butterfly D.300 mm. CAMOZZI	Italy	1	x	x	x
	Pneumovibrator CAMOZZI	Italy	1	x	x	x
	Sleeve aspirational d.50 mm	Italy	1	x	x	x
	Sensor final provisions	Italy	1 kit	x	x	x
	Strain gauges		3	x	x	x
	Flexible connection	Italy	3rd grade	x	x	x
	Corps dispenser, furniture	MONOLIT	1 kit	x	x	x

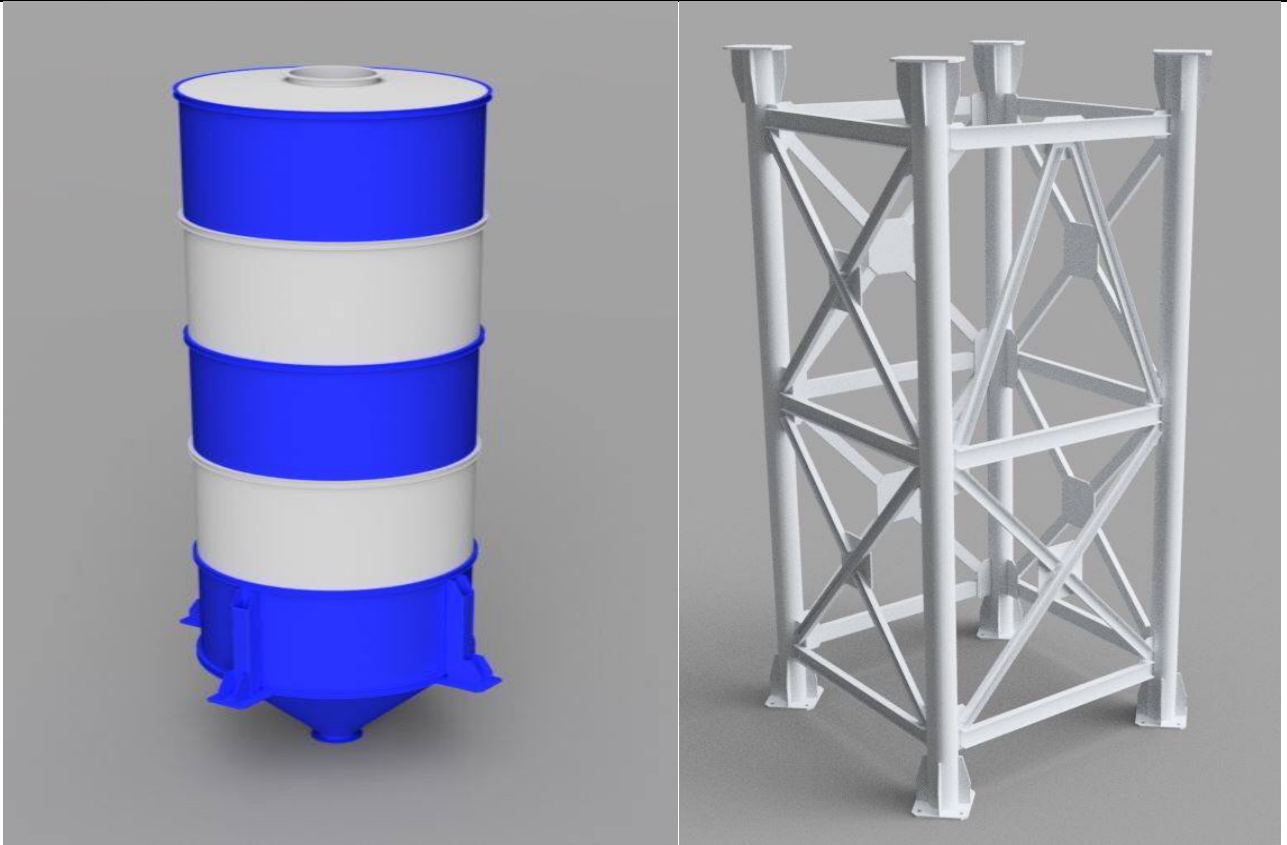
1.3	DV300 water dispenser					
	Ukraine " MONOLIT "	1	x (basic configuration)	x		
<p>Dispenser water gravimetric tensometric DV- 300 , certified , included to State registers means measuring techniques of Ukraine . Highly accurate instrument with range weighing to 295 l., with accuracy dosage $\pm 1\%$. Dispenser installed over mixer on 3's special tensometric supports reliable and infallible in work , with electropneumatic intake and pneumatic graduation valves, with integration in ACS and visualization current readings state.</p>						
Strain gauges Zemic (nominal 250 kg)		3	x	x	x	
Butterfly D.125mm. CAMOZZI	Italy	1	x	x	x	
Pneumatic drive CAMOZZI	Italy	1	x	x	x	
Sensor final provisions CAMOZZI	Italy	1	x	x	x	
Tap emergency shower (manual) 3/4"	Italy	1	x	x	x	
Flexible connection	Italy	3	x	x	x	
Corps dispenser, furniture	MONOLIT	1	x	x	x	
1.4	Chemical supply system . supplements		2			
Supply pump	Italy	2	x	x	x	
Pipeline	MONOLIT	2	x	x	x	
Shut-off fittings	MONOLIT	2	x	x	x	
Shut-off valve	Italy	2	x	x	x	
Check valve	Italy	2	x	x	x	
*container supplied by chemical suppliers						
Chemical supply system . of additives is controlled electropneumatic intake and pneumatic graduation valves, with integration in ACS and visualization current readings state						
1.5	Discharge funnel	MONOLIT	1	x (basic configuration)		
<p>Unloading crater serves for reception ready-made concrete with concrete mixer and submissions him in reception funnel truck concrete mixer . Height unloading in basic option - 3800mm to rubber sleeve, 4150 mm to metal funnels</p>						
Corps metal , , connecting and fastening furniture	MONOLIT	1	x	x	x	
Sleeve unloading BASE	Italy	1	x	x	x	
Electric vibrator	Italy	1	x	x	x	


2 .	Composition of inert materials					
Bunker of inert materials 2x16m3	MONOLIT	1	X (basic configuration)			
Bunker situated on axis inclined conveyor . Everyone compartment equipped elongated sectoral shutters with pneumatic drive , what provides quick dosage . For acceleration unloading inert materials over every shutter is established vibrating plate with electric vibrator . Height to loading cut – 5500mm, recommended height ramp – 2500 mm. Additionally bunker is equipped a set of sieves lattice.						
						
E. vibrator	Italy	2	X	X	X	
Close it sectoral	MONOLIT	2	X	X	X	
Pneumatic cylinder CAMOZZI 100*250	Italy	2	X	X	X	
Grids sifted (130x200 mm)	MONOLIT	2	-	X	X	
Sensors equal material	Italy	2	+	-	X	

2.2	Doser of inert materials	1				
<p>Structurally dispenser represents itself tape conveyor with width ribbons 800 mm installed on 6- you strain gauges . Weighing inerts materials – consistent Precision dosage and fragile materials $\pm 2\%$, upper limit dosage – 3500 kg max . Gravimetric dispenser-conveyor equipped lateral rollers, which prevent displacement tapes . connection ribbons performed by the vulcanization method .</p>						
						
Gear motor 15 kW with frequent flyer	Ukraine	1	<table border="1"> <tr> <td data-bbox="932 1070 1177 1128">x</td> <td data-bbox="1181 1070 1331 1128">x</td> <td data-bbox="1334 1070 1497 1128">x</td> </tr> </table>	x	x	x
x	x	x				
Strain gauge Zemic (2000 kg)	Italy	4	<table border="1"> <tr> <td data-bbox="932 1133 1177 1191">x</td> <td data-bbox="1181 1133 1331 1191">x</td> <td data-bbox="1334 1133 1497 1191">x</td> </tr> </table>	x	x	x
x	x	x				
The tape 8 00 TK-200	Italy	1 kit	<table border="1"> <tr> <td data-bbox="932 1196 1177 1240">x</td> <td data-bbox="1181 1196 1331 1240">x</td> <td data-bbox="1334 1196 1497 1240">X</td> </tr> </table>	x	x	X
x	x	X				
Protective lids drums (blocked)	MONOLIT	2	<table border="1"> <tr> <td data-bbox="932 1245 1177 2128">x</td> <td data-bbox="1181 1245 1331 2128">x</td> <td data-bbox="1334 1245 1497 2128">x</td> </tr> </table>	x	x	x
x	x	x				

3.	Belt conveyor	MONOLIT	1	x (basic configuration)	x	
<p>The conveyor carries out taking a portion materials from dispenser inert materials and her submission to mixing block Length conveyor – from 0-23 m, power drive - 22 kW, speed feed - 1.6 m/s, Angle slope transporter 2 2 hail. Type conveyor ribbons – ribbed (chevron), width 800 mm. connection ribbons is performed method vulcanization Driven drum lined, what provides reliable clutch surface ribbons and drum Roller supports grooved type increase pass ability transporter For prevention lateral movements ribbons conveyor equipped lateral rollers Conveyors rollers have reliable bearing node closed type what not needs permanent service.</p>						
						
Tape 8 00 TK-200 chevron	Italy	50 m.p	x	x	x	
Gear motor 15 kW with electric brake	Ukraine	1	x	x	x	
Reception tray with grid and a ladder	MONOLIT	1	x	x	x	
Supports conveyor	MONOLIT	1 kit	x	x	x	

4 .	Support structure	MONOLIT	1 kit	x (basic configuration)	x	
<p>Supporting frames, playgrounds , frames , stairs, connecting elements , what protect structures , made with certified rolled metal . Executed with taking into account settlement requirements from impact external and internal loads with resourceful period not Less 10 years cut material is conducted on computerized lines plasma cutting , from application stamping , press operations and bench drafting with using high quality modern welding equipment . All of them metal structures are passing stage preparation surface for causing paint and varnish cover.</p>						
						
	Platform mixer	MONOLIT	1	x	x	x
	Fence sites mixer	MONOLIT	1 kit	x	x	x
	Supports sites mixer	MONOLIT	1 kit	x	x	x
	Ladder sites mixer	MONOLIT	1	x	x	x
	Frame and platform dosing block	MONOLIT	1 kit	x	x	x
	Lateral ladder sites mixer	MONOLIT	2	x	x	x
	Fencing frames dispensers	MONOLIT	1	x	x	x
	Ladder frames dispensers	MONOLIT	1	x	x	x

5	Cement composition					
5.1	Cement silo 50 m3	MONOLIT	2	x		
<p>Welded silage cement diameter 2500 mm made with sheet became thickness 4-5 mm, airtight , with cone-shaped exit. Equipped a complete set of equipment for software their normal work in composition ABZ U-55K. For service hinged equipment silage equipped a ladder service and fences on upper platforms Requires foundations under time installation .</p>						
						
	Fence silage upper	MONOLIT	1	x	x	x
	Filter	MONOLIT	1	x	x	x
	Ladder silage	MONOLIT	1	x	x	x
	Valve excess pressure	MONOLIT	1	x	x	x
	Aeration	MONOLIT	1 kit	x	x	x
	Hatch inspection (revision)	MONOLIT	1	x	x	x
	E. vibrator	Italy	1	x	x	x
	Supports silage	MONOLIT	1 kit	x	x	x
	Sensor equal	Italy	2	x	x	x
	Platform service reason auger with a ladder	MONOLIT	1 kit	x	x	x
	Loading tube with euro castle	MONOLIT	1	x	x	x
	Manual emergency choke	MONOLIT	1	x	x	x

5.2	Screw feeder	MONOLIT	2	x		
<p>Feeder screw provides highly productive transportation cement with warehouse silo to dispenser in mixing blocks.</p> <ul style="list-style-type: none"> - productivity to 40 t/h - length submissions to 12 m, angle slope to 40 hail, nominal screw diameter 219 mm - reliable gear motor - kin tsevi and intermediate supports provide reliability fixation shafts in corps parts , what prevents deflection shaft and mashing turns on the body - convenient technical service drives , located in lower parts feeders . - auger equipped comfortable observation hatches, what allow do revision and cleaning auger, u case hitting outsiders subjects . 						
						
	Gear motor	MONOLIT	1	x	x	x
	Support final	MONOLIT	2	x	x	x
	Support intermediate	MONOLIT	1	x	x	x
	System fixation feeder	MONOLIT	1	x	x	x

6. Automatic technological process control system

ASU MONOLIT

MONOLIT

1 kit


**X
(basic
configuration)**

X

Software provision :

- A state-of-the-art management program that combines the latest developments in information technology and modern technical support. The process is controlled from a computer through modules.
- The installation can be controlled from a tablet using remote access
- Intelligent algorithms for dosing materials. Specialists have developed special algorithms that increase the accuracy of dosing and allow saving of materials for concrete production. Data algorithms much increase quality products and savings expendable materials .
- Preparation documents reporting . The system automatically leads accounting expenses materials that allows viewing and printing at any time
- In the system laid down checks certain conditions under which the operation of the plant is impossible . When it happens critical process wearing certain details receive a notification about the need take measures (replacement or repair . The user is provided information on the terms of replacement of this or that part during the specified period (in months) based on the entered parameters of the plant's operation (average number of cubic meters of concrete per day, etc.) .
- Accounting for the planned feasibility study. To ensure the timeliness of maintenance, the program includes a function to notify the user of the need for regular maintenance (such as monthly maintenance).



6.2	Electrical equipment 	MONOLIT	1 kit	X (basic configuration)	X	
<p>All electrical equipment reliably performs their work from software And BZU power supply and microprocessor management forceful aggregates Kit electrical engineering equipment Settings counts over 350 positions purchased units . Being development our factory, schemes constantly are improving and are improving .</p>						
	Cable product	Germany / Ukraine	1 kit	X	X	X
	Tray DKS galvanized	Germany	1 kit	X	X	X
	corrugation DKS black	Germany	1 kit	X	X	X
	Wardrobe introductory	MONOLIT	1	X	X	X
	System grounding BZU	Ukraine	1 kit	X	X	X
	Lightning protection	Ukraine	1 kit	X	X	X
	Industrial computer	Germany	1 kit	X	X	X
	Controller SIMENS	Germany	1 kit	X	X	X
	Electrical cabinet	Germany	1 kit	X	X	X
7.	Operator's cabin	Ukraine	1	X	X	
	Corps with heater	Ukraine	1	X	X	X
	Overview window	Ukraine	2	X	X	X
	Door incoming	Ukraine	1	X	X	X
	Table office and chair	Ukraine	1	X	X	X
	Wardrobe for clothes	Ukraine	1	-	-	-
	Air conditioning	China	1	-	-	-
	Supporting frame operator's office	Ukraine	1	X	X	X
	ladder , platform, visor	Ukraine	1	X	X	X
8.	Anti-corrosion protection					
<p>Causing paints and varnishes coatings is held in factory conditions. All of them metal structures are passing stage preparation surface before painting. Manipulative , warning signs, and also advertising inscriptions are performed contrasting paint , or sticker letters and signs ,</p>						
	Enamel Soil	Czech Republic		X	X	X
	Color painting , causing branded and others inscriptions on choice The customer	Ukraine MONOLIT	X	X	X	X
9,	Installation work at the Customer's site					

<p>INSTALLATION HEAD INSTALLATION includes mechanical and electrical installation , commissioning , commissioning, training of the Customer's personnel, complex commissioning of the equipment is carried out by the Supplier together with the Customer's specialists.</p> <p>2 welders and 2 locksmiths must be invited by the Customer for the time of the chief installation and commissioning work. Training of the Customer's personnel takes place during the chief installation. Provision of cranes on the construction site - according to the plan / regulations of installation works - by the Customer. The customer must provide housing for the workers of the MBZU during the construction period.</p> <p>We pay attention to:</p> <ol style="list-style-type: none"> 1. SHEF-Installation can be started only when the foundations are prepared, electricity and water are connected. 2. The start-up of the ABZU is carried out in the presence of all components for the production of the mixture: crushed stone, cement, sand, water, chemical additives, etc. (According to the recipe). 	
10.	A set of technical documentation
11.	Foundation plan
	TIME :
	30 working days
	CHIEF ASSEMBLY DEADLINE :
	(provided the Customer's site is ready: connected communications, water and electricity) is carried out approximately within 12 working days
	CALIBRATION METHOD
	Tare/adjustment of all weighing dispensers and components is carried out by the Supplier
	TOTAL COST OF EQUIPMENT :
	142 000 EUR. with VAT
	COST OF THE CHIEF ASSEMBLY:
	A separate contract
	GUARANTEE
	24 months from the date of signing the commissioning plan .

- ☐ ОКІЛНІСТЬ ПІСЛЯ ВІГОТОВЛЕННЯ 2000 М³ БЕТОНУ
- ☐ ГАРАНТІЯ - 2 РОКИ
- ☐ 100+ УСПІШНО РЕАЛІЗОВАНИХ ЗАВОДІВ
- ☐ 10+ РОКІВ ДОСВІДУ
- ☐ 1000 000 М³ ВІГОТОВЛЕНОГО БЕТОНУ
- ☐ ДОДАТИ СЕРВІС В РЕЖИМІ 24/7
- ☐ ІНДИВІДУАЛЬНА КОМПЛЕКТАЦІЯ
- ☐ КОМПЛЕКТУЮЧІ ВІД СВІТОВИХ ЛІДЕРІВ
- ☐ НАДШВИДКІ ТЕРМИНИ ВІГОТОВЛЕННЯ
- ☐ ВИКОНАННЯ «ПІД КЛЮЧ»

**Sincerely , Oleksiy Yanitskyi , founder
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