



PlanET Biogas Global GmbH | Schildarpstr. 75 | D-48712 Gescher

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PlanET Biogas Global GmbH

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Tender / Quotation		VAN-64880		Page 1
Date:	30. September 2024	Consultant:	Dietmar Epping	
Customer number:	20903	Phone number:	+49 2542 86956 421	
Project number:	NB76455.05	E-Mail:	d.epping@planet-biogas.com	

Dear Mr. Guru Inder,

Thank you for your inquiry.

We have prepared as required an updated proposal for the second digestion line.

The scope of delivery is including equipment for 1 digester 30m x 10m,
separator, gas pipes and dry feeding system.

Please note that there is connection provision for the HUGO system. The system is not included in the offer. We will provide separate rental offer at a later stage.

Regarding our terms and conditions, we offer non-binding the supply of the following positions.

For more details we are gladly at disposal.



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*)* optional			
1	Concept package	1	piece	32.082,00	32.082,00
	Title: Project conception	1	piece		
1.1	Component Group Pre-Engineering				
1.1.1	Pre-Engineering	1	piece		
	Basic drawings of the project in English:				
	- Project Concept				
	- Plant layout				
	- Process Flow Diagram				
	- Block Flow Diagram				
1.1.2	Support documents for concrete construction				
	Provision of technical information for the support of the concrete tank tendering process:				
	- PlanET Requirements concrete work				
	- Shaft lining plan (sample)				
	- Structural analysis (sample)				
1.1.3	Information about technical standards				
	Material standards				
	All PlanET Components are sold with CE labeling				
	Please note!				
	It is the customer's obligation to check the suitability of the material standards delivered by PlanET. If PlanET standards don't meet local requirements or regulations the customer has to inform PlanET in writing at least 3 month prior to start of construction.				
	All technical documents and components that are delivered by PlanET are EU standards.				
	Additional components may be added or removed after the initial technical discussion with our Engineering Team with a cost impact. This will be discussed later to the customer after the technical clearance.				
1.2	Component Group Consulting				
1.2.1	Consulting	1	piece		
	PlanET supports the customer during local meetings with the concrete construction company, engineering office, H&S coordinator etc.				
	Therefore one PlanET engineer spend 5 days in India and meet up with local companies who fulfill the customers obligations.				
	Further engineering support for customers obligations before or during construction will be calculated on a time and material basis.				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
	Please note! The customer has to organise - Board and lodge according to european standard - Translator, if local companies do not speak english or german - Transportation within the country				
	Material Package	1	piece		
1	Titel: Bio-Mix C 46m³ mit Multirotor 30*10	1	piece	221.238,00	221.238,00
1.1	Component Group Dry Feeding System				
1.1.1	PlanET Bio-Mix C Typ 500M/360	1	piece		
	BIG-Mix-C-500M/360 Storage volume 46m3/25t - 3 Mixing auger drive 22 kW - Feeding auger length at least 2.50m				
	The system can be packed in sea containers. This ensures cost-ef despatch by ship is guaranteed.				
	Dosing unit - Components in contact with the product made of stainless steel, l bearing components painted steel on the outside - Inspection and access hatch in the base frame - Mixing screw drive 22 kW (400V 50 Hz), dosing and mixing elem stainless steel, for fibre lengths fibre lengths < 10 cm and up to 600 kg/m3 - Special version with sword dosing drives 7.5 kW, for fibre lengths and up to 600 kg/m3 (e.g. maize silage) - Device for biomass with fibre lengths < 8 cm and up to 700 kg/m - Drive control via frequency inverter. (Not included in the scope of delivery) - For attaching screw conveyors TYPE 360 (standard) or TYPE 45				
1.1.2	Additional bulkhead Bio-Mix C500	1	piece		
	- H = 350mm, 3-sided attachment, stainless steel material - The structure prevents the material from falling behind the applia during loading.				
1.1.3	optional				
	Lid Bio-Mix C500	(1)*	piece	15.902,00	
	Not incl. in the final price - HP unit with hand lever control - Sturdy V2A basic construction with stainless steel cover - HP cylinder with galvanised brackets				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
1.1.4	Bio-Mix control cabinet Control cabinet for Bio-Mix C - 22 kW Control: 3 mixing augers 22 kW with soft start, 1 under-mounted auger up to 3 kW, 1 steep auger up to 5.5 kW, 1 transfer screw up to 3 kW	1	piece		
1.1.5	Real-Time Ethernet Gateway Profinet - For connection to the control centre PLC via Profinet - For signal exchange between the BIG-Mix dosing unit PLC and the control centre PLC (e.g. start, stop, fault, weighing signal, etc.)	1	piece		
1.1.6	Web display access Access to web display via VNC viewer Remote control from the web display via intranet. The option remote access via VNC viewer enables remote operation remote operation and monitoring via intranet using a PC and mobile mobile device. Simple client/server mechanisms are made available to the provided to the operating device for communication. A VNC viewer is installed on the local computer (customer side) and connects to the web display. The web display transmits a duplicate of the of the screen display to the viewer.	1	piece		
1.2	Component Group Weighing System				
1.2.1	weighing system PlanET BigMixV - Frame mounted on electronic load cells - output for connection to external (main) plant control - timer-controlled or weight-proportional feed control - external display with red LED lights; height 100mm - no calibrated weighing system - variations in weight possible when switched off due external influences	1	piece		
1.3	Component Group Charging Systems				
1.3.1	Underbase auger Type 450 Discharge screw type 450 for feeding a liquid injection system, e.g. Premix or ecoflow - length: approx. 4.5m - Material: V2A - el Power: 4.0kW, 400V - Adapter flange suitable for liquid injection system - Support on base plate	1	piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
1.3.2	Flex transfer Flex transfer UBS TYPE 450-A as transfer to external conveyor sy - Flange connection TYPE 450 UB screw - Compensator hose with clamp straps - Stainless steel adapter flange, with stabilising stabilising spacers for flange surfaces - Liquid-tight at atmospheric pressure	1 piece		
1.3.3	MultiRotor für BioMixC Screw conveyor TYPE 450 / Robust up to 9 m length - Particularly robust screw conveyor for conveying lengths of up to - screw shaft 0114x11mm, screw segments 0 360 / 8 mm - with drive and torque support - with end bearing and flange on inlet and outlet side - The auger can be operated up to a pitch angle of 45 degrees	1 piece		
1.3.4	MultiRotor Accessories Type 450 The multipart conveyer system PlanET MultiRotor takes over the substrate from the Vario and transfers it into the digester. - Auger charging system MultiRotor Type 450 for improved performance and reduced sensitivity against impurities/foreign particles (i.e. stones) Capacity up to 22m³/h (compared to 10m³/h for Type 360) Particle size up to 80mm (compared to 40mm for Type 360) Diameter of auger: 360mm Housing: polygonal, 450mm - Vertical auger: Material: V2A Length: 8.5m Connection: 11 kW, 400V - Charging auger: Material: V4A Length: 3.5m Connection: 5.5kW, 400V - Digester connection and lead-through stainless steel - Maintenance and Inspection holes at points of transfer - incl. mounting and material Please note: All motors within the ATEX zone are ATEX approved	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
1.3.5	Fermenter Screw - Drive 5.5 KW geared motor according to Atex - Length 3500 mm - Screw presses freely into the fermenter - Complete screw flight and parts in contact with the product Stainless steel in the gas area V4A - Outer tube lined at the end with PVC bearing material	1 piece		
1.3.6	Screw feed-through Steel silo connection plate screw feedthrough Type 450/3500/35°, 2 retaining plate for bracing - for screw length 3.50 m - 2 retaining plates for bracing with screws For mounting on steel or concrete fermenters. The connection plate is fitted with a PVC pipe DN 500 x 2150 mm. The PVC pipe is mounted at an angle of 35° in the fermenter wall at an angle of 35°. The end is below the liquid level below the liquid level, which ensures gas tightness and the screw can be fitted and removed at any time. and dismantled at any time. Supplied with screws and sealant. sealing compound. (For installation, a hole Ø 550 must be drilled at an angle of must be drilled into the wall at an angle of 35°. The hole is not included in our scope of delivery.)	1 piece		
1.3.7	Interfaces and supply by other To be provided by the customer unless stated otherwise: - All necessary core holes and openings in digester - Suitable concrete pad for erection in accordance with our specification which we provide after placement of order - Statical calculations for the concrete pad and any other required foundations - Protection against damage through moving vehicles in front of unit - Installation of power supply and control cable to the position of the feeding unit - Earthing of the feeding unit in accordance with all relevant regulations - Power supply for commissioning - Any other Health & Safety measures which might be necessary due to the location of the unit, i.e. for installation in a pit	1 piece		



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
2	optional				
	Title: Multirotor Vario (NAPIER GRASS)	(1)*	piece	181.890,00	
	Not incl. in the final price				
2.1	Component Group Holding System				
2.1.1	Vario 55m³ (Typ 334) V.2024.2	1	piece		
	- Container Vario				
	Gross Volume approx. 55m³				
	Type: Modular System Design				
	Base tub: Stainless Steel				
	Segment 1: Stainless Steel				
	Additional 2 wall profiles on the discharge side made of VA				
	other parts powder-coated in RAL: 6005				
	- Conveying strands:				
	Drive: hydraulic				
	Units: 3 pieces				
	Material: stainless steel				
	Version: separately driven and removable				
	- Front auger for loosening the substrate				
	Capacity: 1.5 kW				
	Material: stainless steel				
	incl. load dependent switch for conveying system				
	- horizontal auger				
	Material: stainless steel				
	Capacity: 7.5kW				
	- Hydraulic aggregate				
	Capacity: 4kW				
	incl. pressure / flow dependent switch				
	- Automatic cylinder lubrication:				
	supply of the cylinders with suitable lubricant				
	saves labour time and extends lifetime of hydraulic cylinders				
	recommended cylinder lubrication intervals are fulfilled				
	integrated in control unit; control based on runtimes, output of warning messages				
	- Sub-structure for installation of load cells				
	- Control panel:				
	Control panel for outdoor installation				
	Control and protection of all electrical components, installed directly on charger				
	- Software:				
	Manual and automatic operation				
	Controlled by timer or external control				
	Outputs for status and error/alarm				
	- Outer Dimensions: ca. 10.59m/ 4.27m/ 3.15m (L/W/H)				
	- Inner Dimensions: ca. 9.4m / 2.1m / 2.8m (L/W/H)				
	- Filling Width: approx. 8.7m				
	- Weight: 6.5t				
	The usable volume of the unit can differ from the gross volume by 5-15% due to substrate characteristics and				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	operational reasons during filling and emptying of the unit. Please note: Suitable for up to 40% manure and grass silage with fibre length of up to 10cm and DM of 25 to 40%.			
2.1.2	Overfill protection Vario - elevated back and side walls of the Vario to allow easy filling and keep the plant clean Height: 0.7m - Design: Steel, incl. screws and sealing compound - Colour: RAL 6005 (moss green) Please note: Is not compatible with component "Lid".	1 piece		
2.1.3	Upgrade Pack Muck/ Grass PLUS Upgrade Package "Muck and Grass plus" existing loosening auger: -version: with ripper teeth for long fibrous material 2nd loosening auger on front wall: -material: Stainless steel -capacity: 1.5 kW -version: with ripper teeth for long fibrous material reinforced sub-structure for higher load existing hydraulic system: -increase of hydraulic power output holding system: -counter bracket installed in holding system existing horizontal auger: -reinforced coils at the outlet, including cutting edge, bearing on extended bars automatic control: Horizontal auger equipped with frequency converter. Motor speed controlled automatically depending on power demand of vertical auger. The upgrade package allows for the use of substrates with a higher proportion of fibrous material: -up to 100% of manure, max. fibre length 150mm -up to 100% of grass silage, max. fibre length 40mm The equipment package "Muck and Grass PLUS" may only be used in connection with the feeding system MultiRotor type 450. The operator should consult a PlanET advisor before introducing new substrates.	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	Details about the limits of substrates to be used with the Vario are available upon request. Please also take into account the total weight of the filled unit. Heavy duty weigh cells are available for heavy substrates.			
2.1.4	Flashing light for operation Indication of operation via easily visible flashlight to avoid filling by mistake.	1 piece		
2.1.5	Access hatch for Vario for inspection and cleaning of the auger at filled machine mounted on the discharge side of the vario. hatch in a reinforced frame. Material: stainless steel V2A	1 piece		
2.2	Component Group Weighing System	1 piece		
2.2.1	Weighing System Vario 74m³ max. payload 45 tonnes - Frame mounted on electronic load cells - output for connection to external (main) plant control - timer-controlled or weight-proportional feed control - Large display with reflecting and illuminated numbers - no calibrated weighing system - variations in weight possible when switched off due external influences	1 piece		
2.2.2	Protective Cover for Load Cell Additional price for protective cover for load cells of the Vario as protection against dirt and rain Material: Stainless steel (V2A)	1 piece		
2.3	Component Group Charging Systems			
2.3.1	MultiRotor Vario Screw conveyor TYPE 450 / Robust up to 9 m length - Particularly robust screw conveyor for conveying lengths of up to - screw shaft 0114x11mm, screw segments 0 360 / 8 mm - with drive and torque support - with end bearing and flange on inlet and outlet side - The auger can be operated up to a pitch angle of 45 degrees	1 piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
2.3.2	MultiRotor Accessories Type 450	1	piece		
	<p>The multipart conveyer system PlanET MultiRotor takes over the substrate from the Vario and transfers it into the digester.</p> <p>- Auger charging system MultiRotor Type 450</p> <p>for improved performance and reduced sensitivity against impurities/foreign particles (i.e. stones) Capacity up to 22m³/h (compared to 10m³/h for Type 360) Particle size up to 80mm (compared to 40mm for Type 360) Diameter of auger: 360mm Housing: polygonal, 450mm</p> <p>- Vertical auger: Material: V2A Length: 8.5m Connection: 11 kW, 400V</p> <p>- Charging auger: Material: V4A Length: 3.5m Connection: 5.5kW, 400V</p> <p>- Digester connection and lead-through stainless steel - Maintenance and Inspection holes at points of transfer - incl. mounting and material</p> <p>Please note: All motors within the ATEX zone are ATEX approved</p>				
2.3.3	Fermenter Screw	1	piece		
	<p>- Drive 5.5 KW geared motor according to Atex - Length 3500 mm - Screw presses freely into the fermenter - Complete screw flight and parts in contact with the product Stainless steel in the gas area V4A - Outer tube lined at the end with PVC bearing material</p>				
2.3.4	Screw feed-through	1	piece		
	<p>Steel silo connection plate screw feedthrough</p> <p>Type 450/3500/35°, 2 retaining plate for bracing - for screw length 3.50 m - 2 retaining plates for bracing with screws</p> <p>For mounting on steel or concrete fermenters. The connection plate is fitted with a PVC pipe DN 500 x 2150 mm. The PVC pipe is mounted at an angle of 35° in the fermenter wall at an angle of 35°. The end is below the liquid level below the liquid level, which ensures gas tightness and the screw can be fitted and removed at any time.</p>				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	and dismantled at any time. Supplied with screws and sealant. sealing compound. (For installation, a hole Ø 550 must be drilled at an angle of must be drilled into the wall at an angle of 35°. The hole is not included in our scope of delivery.)			
2.3.5	Extension Control Vario Extension control Vario Control of two(2) further drives (screw tree)	1 piece		
2.4	Interfaces and supply by other To be provided by the customer unless stated otherwise: - All necessary core holes and openings in digester - Suitable concrete pad for erection in accordance with our specification which we provide after placement of order - Statical calculations for the concrete pad and any other required foundations - Protection against damage through moving vehicles in front of unit - Installation of power supply and control cable to the position of the feeding unit - Earthing of the feeding unit in accordance with all relevant regulations - Power supply for commissioning - Any other Health & Safety measures which might be necessary due to the location of the unit, i.e. for installation in a pit	piece		
3	Title: Digester (Ø=30m, h=10m) In the digester organic material is degraded by bacteria under anaerobic conditions and with a constant temperature. The digester is equipped with all necessary heating, agitation and sulphour removal technology to guarantee a stable and reliable process, well proven in about 650 similar installations. The conical base of the digester with base drain allows extraction of sediments, and the heating pipes embedded in the wall and the base allow evenly heating of the complete digester content. The agitation technology is always tailor-made, depending upon substrate and tank size, and the netting cover in the tanks allows a biological sulphour removal of the biogas. Each component is selected carefully to guarantee durability and low energy consumption. The overall design of the digester and the position of the different components are based upon years of experience and are optimised to maximise the efficiency of the biogas plant.	1 piece	454.310,00	454.310,00

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
3.1	Component Group Tanks				
3.1.1	Concrete Equipement - Digester	1	piece		
	<p>The construction of the tank is not part of the scope of works of PlanET.</p> <p>In connection with the construction of the tank by the client, PlanET shall exclusively provide the services listed below. Any additional services in connection with the tank construction by the client that PlanET has to provide will be invoiced on a time and material basis.</p> <p>Material supply of components for the tank construction:</p> <ul style="list-style-type: none"> - Fixed earthing terminals - div. shaft linings - Manhole 600 x 800 x 240 mm 				
3.1.2	Construction signs	1	piece		
	Signage for Digester Tank				
3.1.3	Wall heating 120	1	piece		
	<ul style="list-style-type: none"> - Delivery and Assembling of a heating system mounted on the inner tank wall. Dimension: 2" Loops: 12 - designed for mesophilic operation of the digester under the following conditions: Input of liquid substrates: max 138m³ per day Minimum Substrate temperature: 10°C Minimum Ambient temperature air: 10°C 				
3.2	Component Group Agitators				
3.2.1	PlanET eco paddle	1	piece		
	<p>The PlanET eco paddle is a paddle agitator which is especially designed for substrates with a high proportion of fibrous materials, i.e. energy crop silage and manure with straw bedding; the four slanted paddles cause different flow directions inside the digester and guarantee a thorough mixing of the various substrates in the tank.</p> <ul style="list-style-type: none"> - Paddle Agitator Power connection: 15kW / 400V / 50Hz / IP 55 Rotation speed: approx. 10 rpm Diameter: approx. 4200mm No. of paddle arms: 4 pcs. max. 12% DM Suitable for tank heights of: 8m Greasing nipple reachable from ground level 				



Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
3.2.2	Height Adjustment Paddle PlanET Paddle height adjusted for 10m tank	1 piece		
3.2.3	PlanET eco powermix XXXL - Connection: 22kW - According ATEX Directive Zone 2 - Length: approx. 4.5m - Wings: 1.7m - max. 12% DM - Fitting Kind: for wall installation incl. stainless steel mounting plate - stainless steel frame - continuous inclination adjustment horizontally and vertically adjustable - Adjustability thanks to double action hydraulic cylinder and manual pump with oil tank - agitator mounted on anti-vibration bearings - complete local installation (The wiring is stated at position process control, if included) Important: The customer has to install the required water supply till the wall duct.	3 piece		
3.2.4	PlanET eco Paddle XXXL High The PlanET eco paddle XXXL is a paddle agitator which is especially designed for substrates with a high proportion of fibrous materials, i.e. energy crop silage and manure with straw bedding; the ten slanted paddles cause different flow directions inside the digester and guarantee a thorough mixing of the various substrates in the tank. - Paddle Agitator Power connection: 22kW / 400V / 50Hz / IP 55 Rotation speed: approx. 10 rpm Diameter: approx. 4200mm Shaft length: 11,0m No. of paddle arms: 10 pcs. max. 12% DM Suitable for tank heights of: 8-10m Greasing nipple reachable from ground level	1 piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
3.3	Component Group Filling and Extraction Pipes				
3.3.1	Sulphur Removal System	1	piece		
	- Material: PE-pipe				
	- the air for sulphurous removal is blown into the digester at 2 different locations below the desulphurisation surface				
3.3.2	Gas extraction pipe, net	3	piece		
	- Gas extraction pipe, installed from top of the tank to its bottom				
	Material: PE-pipe				
	Dimension: OD200				
	- Gas Gate Valve				
	Housing: cast iron				
	Valve material: stainless steel				
3.3.3	Slurry feed pipe OD160	1	piece		
	- Slurry Feed Pipe from digester base to top				
	Material: PE-pipe				
	Dimension: OD160				
	- Industrial Standard Gate Valve				
	incl. Quick Shut Lever				
3.3.4	Slurry extraction OD200	1	piece		
	- Liquid Extraction Pipe for Pumping Activities				
	Material: PE-Rohr				
	Dimension: OD200				
	Version: straight				
	- Industrial Standard Gate Valve				
	incl. quick shut lever				
	incl. tear protection				
3.3.5	Condensate Inlet - OD40	1	piece		
	- Feeding pipe from tank top to bottom				
	Material: PE-Pipe				
	Dimension: OD40				
3.3.6	Universal feed pipe OD63	1	piece		
	- Universal Feed Pipe at the top of the tank for the initiation of different liquids (e.g. minerals, antifoam)				
	Material: V4A				
	Dimension: OD63				
	Please note:				
	The universal feed pipe is not designed for the initiation of aggressive material (e.g. iron chloride)				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
3.3.7	Ferric Chloride Inlet - Feeding pipe from tank top to bottom Material: PE-Rohr Dimension: OD40	1	piece		
3.3.8	Feed Pipe OD50	2	piece		
3.4	Component Group Roof Construction				
3.4.1	Fall Protection Especially developed safety system to allow efficient and safe installation and maintenance works on the tank; advantage is the modular system, consisting of: - 30 permanently installed, galvanised holding fixtures - portable guide rail system, which can be mounted quickly to the fixtures whenever necessary and allows save access to the tank roof during maintenance. Please note: The portable guide rail system is provided by PlanET during construction of the plant and for maintenance works, if the works are carried out by PlanET personell or one of our authorised partners.	1	piece		
3.4.2	PlanET eco cover G - Netting's substructure internal diameter: approx. 30m PE underlay net with desulphurisation surface of 0.7m ² / m ² net PES-belt straps with stainless steel wall Stainless Steel (V4A) middle column Please note: Loading capacity based on a working load of 85 kg/m ² . Important: It is the customer's duty to inject the PlanET eco cover G with liquid manure. This can be done via a slurry tanker, with at least 1 bar.	1	piece		
3.4.3	PlanET Flexstore XL (Special) Inner/outer diaphragm height: 20/20 % Inner diaphragm production in radial cut Outer membrane manufactured in parallel cutting Variable gas storage volume: approx. 2,230 m ³ Considered snow load: 0.2 kN/m ² Maximum/minimum gas operating pressure: 3/-1 mbar Supporting air pressure: 2 mbar Windspeed: 50m/s - Inner membrane material: FPP black geomembrane, thickness 1.00 mm, hot-wedge welded - Outer membrane material: Classic 1100,	1	piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
	dust gray RAL 7037				
	High-frequency welded, flame-retardant in accordance with DIN 41 Including perforations around the circumference (inner membrane				
	The double membrane roof is not a predetermined breaking point. The load-bearing capacity of the container with regard to the load from the membrane must be checked on sit				
	All-round to cover the gap between concrete and insulation Width: 500 mm Fasteners included				
	Simple (upper) clamping rail: 8 mm stainless steel V2A				
	The upper clamping rail is used for gas-tight fastening of the doubl membrane on the tank crown.				
	All metal components are made of corrosion-resistant stainless ste				
3.4.4	Statical Calculation	1	piece		
3.4.5	Roofblower	3	piece		
	Roof blower for air supported roof: Dimension: DN 100 Material: PE Colour: black Power supply: 0.18 KW/ 400V / 50 Hz / IP 55 Motor ATEX approved weather protected in PE-housing incl. throttle valve to adjust the operating pressure Volume: approx. 200m³/h air incl. 3 connection flanges DN 100 incl. 2 connectinos for transverse air flow system incl. 1 inlet manifold DN 100				
	Please note: One roof blower is sufficient to compensate a difference between gas production and gas drawing of max. 150m³/h at 1.5 - 2.0 mbar. For a diameter above 30 m (PlanET Flexstore XL) and a				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
3.4.6	Optical Gas Level Measurement - star-shaped rope system, mounted on top of gas storage membrane - visualisation of gas level through plastic weight in plexiglass pipe	1 piece		
3.4.7	Sensor Gas Level Measurement - Electronic module as addition for optical gas level measurement; allows connection of the gas level meter to the main control - incl. ultrasonic sensor	1 piece		
3.5	Component Group Safety Features			
3.5.1	Over / Low Pressure Protection - Over / Low Pressure Protection Max capacity: up to 250m³/h of biogas incl. mounting and anti freeze filling	3 piece		
3.5.2	Overfill Protection - Electronic Overfill Protection for Alarm at max. level Ball valve 2", for maintenance works Rod Electrode ATEX approved	1 piece		
3.5.3	Low Level Protection Low level sensors for status signal at min. level and lowering of levels within a defined time interval - incl. pressure sensor - 2" valve for maintenance works - shaft lining DL100 - protective pipe DN160 with stainless steel clamps Please note: If no unused shaft lining is available for the installation of the pressure sensor a core drill is required and will be charged extra.	1 piece		
3.5.4	Electronic Low Pressure Guard - Electronic Low Pressure Guard for direct detection of low gas pressure in the digester - incl. ATEX approved sensor	1 piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
3.6	Component Group Operation and Monitoring				
3.6.1	Temperature Sensor	2	piece		
	- Temperature Probe to measure temperature of digester content incl. sensor and digital display mounted on digester wall				
3.6.2	Sampling valve	3	piece		
	- Sampling Facility on tank wall 2" socket slide valve (brass) as backup valve 2" ball valve (brass)				
3.6.3	Double Inspection Window	3	piece		
	- Two Inspection Windows to monitor the digester content incl. wiper for cleaning water flush, incl. ball valve and non-return valve 1x Spot Light: 50W / 230V / 50Hz / IP65				
	Please note: The water supply for the wipers must be provided by the client up to the shaft lining in accordance with the PlanET specification.				
3.7	Concrete Tank - Digester		piece		
3.7.1	Concrete Tank can be supplied by local Partner				
	Concrete Tank can be constructed by our local partner "Pooja Jadhav Associates, Kolhapur, MH"				
	Budget Offer Price is: Euro 316500,00				
	Inclusions: 1 piece Concrete Tank 2mm HDPE sheet below Raft 2*50mm XPS below Raft 2*50mm EPS for wall Cladding Centre Pole for gas storage inspection platform, stairs epoxy coating				
	Note: Concrete budgetary offer price is not included in this offer.				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
4	Title: Digester peripheral	1	piece	20.000,00	20.000,00
4.1	Component Group Compressed Air Supply				
4.1.1	Air Supply for Air Flush	1	piece		
	Compressor Unit Power Connection: min. 2.4kW / 400V / 50Hz / IP54 Suction Capacity and Pressure Vessel: min. 280l/min / 90l max. Pressure: 10bar - installed in technical container (wiring is included in the Position Plant Control, if the Plant Control is included in the proposal)				
4.2	Component Group Compressed Air Distribution				
4.2.1	Basic Manifold- Air Flush	1	piece		
	- Distribution Manifold, pre-assembled on mounting plate: Version Air flush Solenoid valve: 1 pcs. Compressed air inlet: 1 pcs. Compressed air outlet incl. ball valve: 1 pcs. Dimensions mounting plate (HxWxD): 400x400x18mm Extension: up to 2 additional flushing units - Pressure pipe: 50m PE-pipe 20 x 2mm, PN 12.5 - complete unit installed in the technical container (wiring is included in the Position Plant Control, if the Plant Control is included in the proposal) Important note: If the PE-pipe is to be installed below ground are all necessary earth works and the supply of a suitable duct the responsibility of the client				
4.2.2	Basic manifold-H2S remova-O2	1	piece		
	- Distribution Manifold, pre-assembled on mounting plate: Version H2S Removal for 1 Digester PVC Air flow meter: 1 pcs. Compressed air inlet: 1 pcs. Compressed air outlet incl. ball valve: 2 pcs. Dimensions mounting plate (HxWxD): 848x750mm Extension: 1 additional H2S removal unit - Pressure pipe: 50m PE-pipe 20 x 2mm, PN 12.5 - complete unit installed in the technical container (wiring is included in the Position Plant Control, if the Plant Control is included in the proposal) Important note: If the PE-pipe is to be installed below ground are all necessary earth works and the supply of a suitable duct the responsibility of the client				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
4.3	Component Group Oxygen generator	1	piece		
4.3.1	O2 concentrator 1,00 Nm³/h	3	piece		
	Extension for the production of app 1.0 Nm³/h oxygen.				
	- 1 pcs. oxygen concentrator incl. pump, filter				
	flow meter to check functioning				
	acoustic alertification				
	low- maintenance, suitable for non-stop operation				
	- Connection material incl. valves, backflow preventer				
	- Fitting material				
	Concentration: app 80-90 % Oxygen				
	Power rating: 700W, 230V				
	max. ambient temperature: up to 35°C				
	Positioned in technical container or machine room.				
	Requires a ventilation of >50m³/h.				
4.3.2	Client responsibilities				
	The client has to equip the container where the O2 generators are installed with air conditioning system to maintain all the time temperature inside the container <30°C.				
	NOTE:				
	Air conditioning system has to be installed by the client locally.				
5	Title: Substrate technology and piping	1	piece	93.610,00	93.610,00
5.1	Component Group Separator PlanET: Local				
5.1.1	Slurry extraction OD160	1	piece		
	- Liquid Extraction Pipe for Pumping Activities				
	Material: PE-Rohr				
	Dimension: OD160				
	Version: straight				
	- Industrial Standard Gate Valve				
	incl. quick shut lever				
	incl. tear protection				
5.1.2	Substrate Pipework	2	piece		
	Slurry and Substrate Pipework				
	Dimension: OD160				
	Length: 100 m				
	Material: PE100				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
5.1.3	Extension Pneumatic Valve - 1 pcs. Additional gate valve DN150 with pneumatic drive double-acting - incl. pneumatic parts (5/2 way valve etc.) - incl. compressed air supply for valve PA pipe 8/6, black, 50m Incl. ducting, 50m - incl. material for the connection to the pipe work: - Fusion collars - Welding Flange - Flanges, seals, bolts and nuts	2 piece		
5.1.4	PE T-Piece OD160 45° for PE100 - PE T-Piece OD160 45° for PE100 with 3 couplings Designed for: For the connection of an additional tank/ an additional pipe - only material delivery	1 piece		
5.1.5	Separator PlanET: RC40 remote Screw separator consisting of - separation technology connection: 5.5 kW/ 400 V/ 50 Hz maximum throughput: 30 m³/h maximum DM content: 18-30% filter pipe's gap width: 0.5 mm Bearing for screw at the outlet for lower wear of the sieve and the screw. adjustment of the solid phase's DM content: at engine (mechanical) mechanical seal: Duronit/NBR feeding: vertical - pumping technology for substrate feeding: eccentric screw pump capacity: 4.0 kW, 400 V maximum throughput: 25 m³/h - fixing for installation at digester depression - connection parts and installation material for connection to substrate pipe DN150, effluent pipe DN100 - complete sensor technology for the separation unit - control cabinet consisting of: control: Siemens small control control panel control of 1x RC40 5.5 kW 1x pump 5.5 kW with frequency converter pressure sensors	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	<p>Important:</p> <ul style="list-style-type: none"> - It is the customer's duty to build a foundation with wall according to our specification - It is also the customer's duty to insulate the parts liable to frost <p>For perfect operation the medium must flow free in the inlet pump, which is located at the tank.</p> <p>TS content in the input max: 10% TS, fiber lengths <50mm</p>			
5.1.6	<p>optional</p> <p>Separator Upgrade RC75</p> <p>Not incl. in the final price</p> <p>Upgrade separation unit to 50m³/h</p>	(1)* piece	24.700,00	
5.1.7	<p>Supply pump separator</p> <p>Feed pump for PlanET separator</p> <p>Wangen KL50S 101.0</p> <p>- 400V; 5.5kW</p>	1 piece		
5.1.8	<p>Flow Meter</p> <ul style="list-style-type: none"> - Flow Meter for Liquid Substrates Dimension: DN150 Type: Splitted version Throughput: max. 15 - 150 m³/h Connections: 230 V and 24 V - The Flow Meter is integrated in the pipework OD160 - Display: Two lines, illuminated 	1 piece		
5.1.9	<p>optional</p> <p>Flow Meter</p> <p>Not incl. in the final price</p> <ul style="list-style-type: none"> - Flow Meter for Liquid Substrates Dimension: DN150 Type: Splitted version Throughput: max. 15 - 150 m³/h Connections: 230 V and 24 V - The Flow Meter is integrated in the pipework OD160 - Display: Two lines, illuminated 	(1)* piece	3.660,00	

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
5.1.10	PE T-Piece OD110 45° for PE100 - PE T-Piece OD110 45° for PE100 with 3 couplings Designed for: For the connection of an additional tank/ an additional pipe - only material delivery	2 piece		
5.1.11	Substrate Pipework Slurry and Substrate Pipework Dimension: OD110 Length: 100 m Material: PE100	1 piece		
5.1.12	Extension Pneumatic Valve - 1 pcs. Additional gate valve DN100 with pneumatic drive double-acting - incl. pneumatic parts (5/2 way valve etc.) - incl. compressed air supply for valve PA pipe 8/6, black, 50m Incl. ducting, 50m - incl. material for the connection to the pipe work: - Fusion collars - Welding Flange - Flanges, seals, bolts and nuts	2 piece		
5.1.13	Slurry feed pipe OD110 - Slurry Feed Pipe from digester base to top Material: PE-Pipe Dimension: OD110 - Industrial Standard Gate Valve incl. quick Shut Lever	1 piece		
6	Title: Gas technology and Gas piping	1 piece	86.539,85	86.539,85
6.1	Component Group Gas Pipework			
6.1.1	Gas Pipe 2 x OD200 - Gas Pipework: Dimension: OD200 Length: 2 x 84m Material: PE100 - Condensate Trap Qty: 1 pcs. Dimension: DN300 Material: Sewage Pipe (plastic) incl. rodding / maintenance point - Pumping Technology Connection: 0.75 kW / 230V / 50Hz / IP68 1x float switch - PE-Pipe for condensate: Dimension: OD40 Length: max. 50m	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	Pipe Connection: Seepage inlet OD40 - Installation and Connection - Pressure test Important note: All earth works and trenching by client in accordance with PlanET specification			
6.1.2	Gas Pipe 1 x OD200	1 piece		
	- Gas Pipework: Dimension: OD200 Length: 1 x 84m Material: PE100 - Condensate Trap Qty: 1 pcs. Dimension: DN300 Material: Sewage Pipe (plastic) incl. rodding / maintenance point - Pumping Technology Connection: 0.75 kW / 230V / 50Hz / IP68 1x float switch - PE-Pipe for condensate: Dimension: OD40 Length: max. 50m Pipe Connection: Seepage inlet OD40 - Installation and Connection - Pressure test Important note: All earth works and trenching by client in accordance with PlanET specification			
6.2	Component Group Gas Recirculation Pipework OD110	1 piece		
6.2.1	Gas Return OD110 96m	1 piece		
	Gas pipework for biomethane recirculation - dimension: OD110 - length: 96 m - material: PE100, SDR17			
6.2.2	Gas extraction&gas retour pipe	1 piece		
	- Gas extraction pipe, installed from top of the tank to its bottom Material: PE Dimension: OD110 - Gas gate valve Housing: Cast iron Valve material: Stainless steel			

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
6.2.3	PE t-piece 110mm 90° for PE100	1	piece		
6.3	Component Group Gas Pipework for Emergency Flare				
6.3.1	Gas extraction pipe, net	1	piece		
	- Gas extraction pipe, installed from top of the tank to its bottom Material: PE-pipe Dimension: OD200				
	- Gas Gate Valve Housing: cast iron Valve material: stainless steel				
6.3.2	Electr. Low Press. Guard Flare	1	piece		
	- Electronic Low Pressure Guard for direct detection of low gas pressure in the digester - incl. ATEX approved sensor				
6.3.3	Gas Supply Pipe Flare	1	piece		
	- Gas Supply Pipe for Stationary Flare (500 m³/h) Dimension: OD200 Length: 20m Material: PE100 - Pressure Testing				
	Please note: The pipe must be connected to a separate gas extraction pipe.				
	All necessary earth works and trenching by others in accordance with PlanET specification				
6.4	Component Group Gas Flare for up to 500 m³/h				
6.4.1	automatic Gas Flare 500m³/h	1	piece		
	- Capacity: Volume flow: Min. 230 m³/h - max. 500 m³/h Gas supply pressure: min. 5 mbar(p) - max. 50 mbar(p) Heating value: min. 4.5 m³/h - max. 5.5 kWh/m³ Combustion Capacity: min. 1035 kW - max. 2750 kW				
	Note: The required gas supply pressure can only be guaranteed in combination with a suitable gas compressor.				
	- Combustion conditions: Exhaust gas temperature: approx. 800 °C Type: semi-covered combustion, visible flame incl. Wind protection tube for flame				
	- Dimensions: Gas connections to gas fitting line: DN 150 Overall height above top edge of foundation: approx. 6500 mm Flare stack length: approx. 3500 mm Diameter of wind protection tube for flame (exterior):				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	<p>approx. 900 mm</p> <ul style="list-style-type: none"> - Scope of delivery of one flare: Burner: 1 piece Flare pipe made of stainless steel 1 piece galvanised standing console: 1 piece - Gas Booster, installed in the Flare Stack Frame Connection: 400V / 50Hz motor ATEX: certified for category 3G (zone 2) incl. internal piping incl. electrical control <p>Please note: Suitable for biogas, technically closed, for 300 m³/h with delta p approx. 90 mbar</p> <ul style="list-style-type: none"> - Switching station: Material: electrical cabinet made of plastic incl. display indicator for operation/malfunction on the burner control unit <p>Important note: The foundation for the flare has to be built by the client in accordance with the PlanET specifications unless stated otherwise Dimensions: 1600 x 1600 x 800mm Operation of the gasflare is only possible if the CHP Unit is out of operation. A combined operation is possible if the gasflare and CHP Unit have two separate gaspipes and gas extraction.</p> <p>Note: The flare is suitable for CHP engines with an electrical capacity between approx. 526 and 844 kW_{el}.</p>			
6.5	<p>optional</p> <p>Component Group Gas Flare for up to 750 m³/h</p> <p>Not incl. in the final price</p>	(1)*	45.650,00	

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
6.5.1	<p>automatic Gas Flare 750m³/h</p> <p>- Capacity: Volume flow: Min. 300 m³/h - max. 750 m³/h Gas supply pressure: min. 5 mbar(p) - max. 50 mbar(p) Heating value: min. 4.5 m³/h - max. 5.5 kWh/m³ Combustion Capacity: min. 1400 kW - max. 4125 kW</p> <p>Note: The required gas supply pressure can only be guaranteed in combination with a suitable gas compressor.</p> <p>- Combustion conditions: Exhaust gas temperature: approx. 800 °C Type: semi-covered combustion, visible flame incl. Wind protection tube for flame</p> <p>- Dimensions: Gas connections to gas fitting line: DN 150 Overall height above top edge of foundation: approx. 7500 mm Flare stack length: approx. 4000 mm Diameter of wind protection tube for flame (exterior): approx. 1100 mm</p> <p>- Scope of delivery of one flare: Burner: 1 piece Flare pipe made of stainless steel 1 piece galvanised standing console: 1 piece</p> <p>- Gas Booster, installed in the Flare Stack Frame Connection: 400V / 50Hz motor ATEX: certified for category 3G (zone 2) incl. internal piping incl. electrical control</p> <p>Please note: Suitable for biogas, technically closed, for 750 m³/h with delta p approx. 50 mbar</p> <p>- Switching station: Material: electrical cabinet made of plastic incl. display indicator for operation/malfunction on the burner control unit</p> <p>Important note: The foundation for the flare has to be built by the client in accordance with the PlanET specifications unless stated otherwise Dimensions: 1900 x 1900 x 800mm Operation of the gasflare is only possible if the CHP Unit is out of operation. A combined operation is possible if the gasflare and</p>	piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
	CHP Unit have two separate gaspipes and gas extraction.				
	Note: The flare is suitable for CHP engines with an electrical capacity between approx. 624 and 1415 kWele.				
6.6	Component Group Gas Analysis				
6.6.1	Biogas Flowmeter	1	piece		
	Pressure: 50 mbar rel. Temperature: 40°C				
	Measuring range: 35 - 1300 m³/h (DN200), Input for external pressure sensor via 4...20 mA				
6.6.2	Biogas Flow Meter - Preparation connection	1	piece		
	Biogas Flowmeter connection preparation for both the Phase I and Phase II				
7	Title: Technical Container	1	piece		
7.1	Component Group Technical container				
7.1.1	optional				
	Technical Container 12m	(1)*	piece	40.620,00	
	Not incl. in the final price				
	- Sea Container, steel				
	Version: "5 ST KV 12m"				
	Characteristisc: second hand, refurbished (1x on sea)				
	External dimensions (LxWxH): 12192mm/2438mm/2591mm				
	Walls and Roof: profile steel sheets				
	Floor: bulb plate				
	Colour: RAL 6009 (fir green)				
	- Inside lining for wall and roof with plain sheeting				
	Insulation of walls, roof and door				
	- Partition with sliding door				
	- External door				
	approx. 875 x 2125 mm, with lock				
	- Double wing door, approx. 2000 x 2125mm				
	incl. air grille				
	- with openings for pipe and cables				
	in floor and/or wall				
	- Electrical Installation:				
	external control carbinet				
	fluorescent lamp				
	light switch/ socket combined				
	- ventilation unit incl. thermostat				
	The container allows the installation of a plant control with up to 5 electrical panels and a compact pumping manifold.				
	Important note:				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
	All earth and concrete works for the foundation are not included and are to be carried out by the client in accordance with the PlanET specifications unless stated otherwise.				
7.1.2	Air Conditioning for Container by Client The client has to equip the container where the O2 generators are installed with air conditioning system to maintain all the time temperature inside the container <30°C. NOTE: Air conditioning system has to be installed by the client locally for both the 12m and 6m technical container.				
8	Title: Control system	1	piece	141.450,00	141.450,00
8.1	Component Group Basic Version				
8.1.1	Basic equipment - Type 250540	1	piece		
	- PlanET control cabinet Type: 250540				
	- Electrical cabinet: Manufacturer: Rittal Number: 4 pieces Dimension: (WxHxD): 800x1800x500mm incl. 200mm base (overall electrical cabinet height: 2000mm)				
	- Basic equipment components: incl. main switch - 250A incl. bus-bar distribution system, network devices, circuit breakers incl. motor protection switch, transformers, relays incl. ventilation unit				
	- PLC control unit: Manufacturer: Siemens / VIPA incl. corresponding number of modular in- and output cards				
	- Service components: Incl. 1x service socket Incl. 2x illumination				
	- Overvoltage protection: Incl. primary protection Incl. middle protection				
	- Separate PC visualisation can be connected				
	- Provision of a general output to the sub-distribution with Max. 15 kW electrical output				
	- The electrical cabinet is installed in the technical container provided by PlanET; optionally the cabinet can be installed in a technical room provided by the client (in case a container is not provided by PlanET)				
	- Incl. delivery to site and technical commissioning				

Pos.	Description	Quantity	Unit	Sales Price	Sum
	- Software programming to PlanET specifications proportionate				
	Important: The client shall provide a ISDN telephone connection with 10 numbers at the vicinity of the electrical cabinet. For the PC visualisation a DSL connection is required, which also shall be provided by the client. Both ISDN and DSL must be activated for commissioning of the AD plant.				
8.1.2	Additional electrical cabinets	3	piece		
	Electrical cabinet: - Manufacturer: Rittal - Number: 3 pieces - Dimension: (WxHxD): 800x1800x500mm - incl. 200mm base (overall electrical cabinet - height: 2000mm)				
8.1.3	IPC-Visualisation	1	piece		
	Process visualisation system of the biogas plant, computer integrated in electrical panel with touch screen for easy operation, monitoring and control of the plant.				
	Hardware: -Industrial standart PC (IPC) -Large touch screen -NIC and GPU onboard -Siemens PC adapter				
	Standard software -Operating system: Microsoft Windows -Software for remote access for PlanET service				
	Engineering Software: -Runtime visualisation Software, Siemens -Simatic HMI WinCC, Siemens -Simatic NET, Siemens -Archives, Siemens -Design of the visualisation -HMI panel for operating and monitoring the plant Comprises (among other things) user functions, reporting system, archiving and process malfunction diagnose				
	Visualisation: Overview of the biogas plant Overview of the tanks Overview of the CHP unit Overview of the solids charging system				



Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	<p>- 1x Analysis of parasitic consumption (if parasitic consumption meter is fitted)</p> <p>- 1x Display of the position of the heating control in percent</p> <p>Overview data base (for IPC visualisation only)</p> <p>-1x protocol of CHP unit(s)</p> <ul style="list-style-type: none"> -Produced power -Consumed gas volume -Consumed oil volume <p>Condition:</p> <ul style="list-style-type: none"> -Connection of the CHP control to the PlanET process control system -The above listed parameters must be made available by the CHP control system <p>-1x protocol of feeding quantities</p> <p>-1x protocol of tank temperatures</p> <p>Incl. installation and commissioning on site; if housed in a technical building, the building must comply with PlanET's technical requirements.</p> <p>Incl. PlanET remote maintenance:</p> <ul style="list-style-type: none"> -the plant control for at home and abroad -for the computer at home or, in small, for your smartphone or your tablet PC <p>The PlanET remote maintenance allows monitoring and control of the complete biogas plant via remote access, dial-in is possible via broadband</p> <p>Conditions for remote maintenance:</p> <ul style="list-style-type: none"> -PlanET IPC visualization with broadband connection or similar -Broadband (not less than 3000 KBIT/S downstream) with dedicated IP address at the connection for the plant (an analogue line is not sufficient!) -PC with min. Windows XP and broadband internet access (or similar) for dialing into the control from the remote PC -Smart phone/tablet PC incl. valid contract -Supported are I-Phone, I-Pad and devices with Android operating system, version 3.0 and higher <p>Please note:</p> <p>Software supplied by PlanET, installation and setup of the remote device for the remote maintenance by the client in accordance with the instructions given by PlanET; access details will be provided by PlanET.</p> <p>Any other costs related to installation and setup</p>			

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
	of the remote maintenance will be charged on labour and material basis.			
8.1.4	Communication Unit	1 piece		
8.1.5	Parasitic Consump. Monitoring - Records the parasitic power consumption of the AD plant, incl. combination display for phase voltage, phase power, efficiency factor (efficiency of the energy consumed) nominal frequency, active power and idle power.	1 piece		
8.1.6	Emergency Power semi-automatic Emergency power supply for electrical panel The electrical panel will be equipped with a 63A CEE socket to allow connection of a generator for emergency power supply In case of emergency power supply the following components will be operational: - PlanET eco paddle - Blower for gas storage roof - Compressor air supply roof seal - Emergency flare with max. 2.5kW el. Capacity - Supply control panel - Condensate trap / condensate pump During emergency supply only the components named above will be activated automatically Please note: The generator for the emergency power supply must be provided by the client. The generator must have a capacity of 58A / 50Hz 3-phase.	1 piece		
8.1.7	Skid for control system Skid instead of technical container	1 piece		
8.2	Component Group Solids Charging System - Phase I			
8.2.1	NawaRotor / MultiRotor Vario Scope of Supply: - Supply line in control cabinet Supply of Solids Charger Unit incl.relevant fuses - Control options: Remote start via auxiliary low voltage current (24V) - Software programming according to PlanET specification proportionate.	1 piece		

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
8.3	Component Group Tanks				
8.3.1	PlanET eco paddle	1	piece		
	Scope of supply:				
	- Supply line in control cabinet				
	Nominal output: 15kW				
	incl. suitable frequency converter				
	incl. fault-current circuit breaker Typ B				
	incl. power contactor and protective motor switch				
	incl. thermistor evaluator (signal in the event of excess temperature)				
	- Supply line at the tank				
	incl. repair circuit breaker				
	- Evaluation of the following components				
	1x excess temperature for paddle mixer				
	1x operation or malfunction frequency converter				
	Software programming to PlanET specification proportionate				
8.3.2	PlanET eco Paddle High	1	piece		
	Scope of supply:				
	- Supply line in control cabinet				
	Nominal output: 22.0 kW				
	incl. suitable frequency converter				
	incl. motor protection switch				
	incl. residual current circuit breaker Typ B				
	incl. power contactor and protective motor switch				
	incl. thermistor evaluation unit (signal in case of over temperature)				
	- Supply line at the tank				
	incl. repair disconnect switch				
	- Evaluation of the following components				
	1x over temperature for paddle mixer				
	1x operation or malfunction frequency converter				
	- Software programming to PlanET specification proportionate				
8.3.3	PlanET eco powermix XXL	3	piece		
	Power section:				
	- Supply line in the switch cabinet				
	Nominal power: 22.0 kW				
	incl. corresponding frequency converter				
	incl. power contactor and motor protection switch				
	Cable length: max. 60m				
	- Evaluation of the following components				
	1x overtemperature motor				
	- Repair circuit breaker directly on the agitator unit				
	- Software programming according to PlanET specification pro rata				

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
8.3.4	Roofblower Scope of Supply: - Supply line into control cabinet Nominal output: 0.18 kW incl. circuit breaker and protective motor switch - Supply line to the tank incl. isolator (repair) switch Software programming according to PlanET specifications proportionate.	3 piece		
8.3.5	Overfill Protection Scope of Supply: - Supply line in control cabinet Provision of an intrinsically safe circuit - Supply line at the tank Design: intrinsically safe - Possibility of evaluating the following components 1x suitable sensor system Software programming to PlanET specifications proportionate	1 piece		
8.3.6	Low Level Protection - Integration of Low Level Sensor in Plant Control Incl. installation of level probe in tank (for measurement at tank base) - Programming of following parameters: - Alarm message on visualisation for reaching a pre-defined level - Alarm message on telephone - Switching off of pump - Switching off of charging system - Switching off of agitators Optional: - Additional visual alarm at tanker connection point with with signal-horn and flashing light (for storage tanks)	1 piece		
8.3.7	Sensor Gas Level Measurement Scope of supply: - Possibility of evaluating the following components 1x suitable sensor system Software programming to PlanET specifications proportionate	1 piece		
8.3.8	Low Pressure Guard Scope of supply: - Supply line in control cabinet Force-fed contact via safety relay for CHP and/or gas shut-off valve - Supply line at the tank Cabling suitable for combustible gases - Possibility of evaluating the following components 1x suitable sensor system Software programming to PlanET specifications proportionate	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
8.3.9	Temperature Sensor Scope of supply: - Possibility of evaluating the following components 1x resistance thermometer Software programming to PlanET specification proportionate	2 piece		
8.3.10	Double Inspection Window Scope of supply: - Supply line in control cabinet Nominal output: 50W	3 piece		
8.4	Component Group Auxilliary Equipment			
8.4.1	Air Supply for Air Flush Power element: - Supply line in control cabinet incl. corresponding fuses	1 piece		
8.4.2	Air Supply for H2S Removal Scope of supply: - Supply line in control cabinet Nominal output: 120 watts	1 piece		
8.4.3	Basic Manifold- Air Flush Scope of supply: - Evaluation and control of the following components 1x solenoid valve - Software programming to PlanET specifications proportionate	1 piece		
8.5	Component Group Substrate Technology			
8.5.1	Separator PlanET: RC remote Power section: - power line in the control cabinet Possible power supply of the separator's control cabinet incl. appropriate fuses - Control possibilities Remote start by auxiliary extra-low voltage - Software programming according to PlanET specification proportionately	1 piece		
8.5.2	Flow Meter Scope of Supply: - power supply of the flow meter 230V AC - Evaluation 1x impuls Software programming to PlanET specification proportionate	1 piece		

Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
8.5.3 optional				
	Flow Meter	(1)* piece	590,00	
	Not incl. in the final price			
	Scope of Supply:			
	- power supply of the flow meter 230V AC			
	- Evaluation			
	1x impuls			
	Software programming to PlanET specification proportionate			
8.5.4	Extension Pneumatic Valve	5 piece		
	Integration of a further pneumatic slide valve into an existing pump path.			
	Includes:			
	- 1x plastic cabinet 400x400x200			
	- Electrical integration of the pneumatic slide valve			
	- Adaptation of the PLC programme of the system control			
	- Adaptation of the visualisation interface the PC/IPC visualisation.			
	Important:			
	For the set-up, remote access to the PLC via Teleservice and to the visualisation visualisation via Teamviewer must be available.			
	The required digital inputs and outputs must be available on the controller			
8.6	Component Group Gas Treatment and Pipework			
8.6.1	Biogas Flow Meter	1 piece		
8.7	Component Group Gas Utilisation			
8.7.1	Emergency Flare	1 piece		
	Scope of supply:			
	- Supply line in the process cabinet			
	Supply possibilities for the control of the flare incl. relevant fuses			
	- Control possibilities			
	Remote control with low voltage (24V)			
	- Software programming to PlanET specifications proportionate			



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
8.7.2	Electr. Low Press. Guard Flare Scope of supply: - Connection of the low pressure guard into the safety concept of the flare Please note: The low pressure guard is only functional if the flare has an independent external power supply; the external power supply is not included in this proposal.	1	piece		
8.7.3	Methane processing communication interface software programming according to PlanET specification, proportionate indicated: current flow rate raw gas inlet pressure raw gas oxygen content in raw gas methane content in raw gas H2S content in raw gas actual flow rate of clean gas outlet pressure of clean gas methane content in clean gas oxygen content in clean gas injected gas quantity current day service on the part of the builder: empty pipe laying for gas treatment according to an Empty pipe plan from the manufacturer the empty conduit plan and the earthing plan are to be ordered from the project manager the load cabling of the gas treatment between transformer and gas treatment according to PlanET specifications the earthing is to be carried out by the customer's electrician according to the manufacturer's earthing plan	1	piece		



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
8.8	Component Group Heating System	1	piece		
8.8.1	Heat Supply	1	piece		
	Power element:				
	- Supply line in control cabinet				
	Nominal output: 85W				
	incl. corresponding fuses				
	- Evaluation of the following components				
	1x resistance thermometer (supply temperature monitoring)				
	- Evaluation and control of the following components				
	1x heater mixer				
	- Software programming according to PlanET specification				
	proportionate				
8.9	Component Group Cabling	1	piece		
8.9.1	Cabling can be offered after detailed engineering				
	Price for cabling of the entire biogas plant				
	is not included in this offer				
	 Note:				
	If customer wants to have the cabling				
	also in PlanET Scope of supply then we can				
	offer after discussing during the engineering phase				
	 A separate or additional offer will be provided				
	for cabling of the biogas plant later if requested.				
9	Title: Transportation	1	piece	101.907,00	101.907,00
9.1	Packaging - PlanET Scope of supply	1	piece		
	Packaging in Germany only PlanET Scope of Delivery				
	Rental for Containers, Shipping and Transport not included				
	All components are EXW scope of delivery				
9.2	Containers to CIF Mumbai (Nhava Sheva)	1	piece		
	Transportation of 17 Containers				
	CIF till Mumbai (Nhava Sheva), without Customs				
	 Note:				
	Custom clearance not included in the offer				
	Inland Transportation is also not included in the offer				
	Installation & Service package	1	piece	250.371,00	250.371,00



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
1	Title: Basic Engineering	1	piece		
1.1	Component Group Engineering	1	piece		
1.1.1	Basic Engineering and Project Coordination	1	piece		
	<ul style="list-style-type: none"> - Peg-out plan - Excavation plan - P&ID incl. function table - Adjusted trenching plan incl. piping and cabling - Shaft lining plan - Adjusted wiring diagram - Earthing plan - Interface description - Foundation plan for all components delivered by PlanET e.g. <ul style="list-style-type: none"> - Feeding system - Technical container (if included in scope) - Gas torch <p>Please note: The above mentioned points are only relevant to components which are part of the scope of supply of PlanET. In the case that existing buildings have to be included into the design or components have to be set up in existing buildings additional occurring work will be calculated on time basis. The customer has to inform PlanET at least 3 month prior to commencement of construction of changes relevant to offered standards.</p> <p>All technical documents and components that are delivered by PlanET are EU standards.</p> <p>Additional components may be added or removed after the initial technical discussion with our Engineering Team with cost impact. This will be discussed later to the customer after the technical clearance.</p>				
1.1.2	Documentation	1	piece		
	<p>The as built documentation of the biogas plant will delivered in one hard copy and one soft copy (PDF file) for all components delivered by PlanET</p> <p>The documentation includes:</p> <ul style="list-style-type: none"> - Operation manual - Manufacture's documentation 				

Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
2	Title: Project Manager	1	piece		
2.1	Component Group Project Manager Oversea				
2.1.1	Project Manager	1	piece		
	PlanET provides a project manager for the duration of the project. The project manager will work partly from Germany and partly on site. Flights to construction site: 3 Days on site: 15 Important: - Transfer and accommodation within the country has to be organised and paid by the customer - Board and lodge according to european standard				
3	Title: Project Supervisor	1	piece		
3.1	Component Group Project Supervisors Overseas				
3.1.1	Mechanical Supervisor	1	piece		
	PlanET provides two technical supervisor for the time of construction. Working days estimated: Working days on site: 60 days each Important: The calculation is based on the scope of supply in the related material offer and should be seen as estimation. Should the time of construction increase due to changes of the scope of supply or delay outside of PlanET's responsibility, (e.g. - Training of external workers - delay of execution of customer's duties - delay of transport) the additional work will be calculated on time basis. Day's rate for additional work: technical supervisor: 680€/day In this case the customer has to pay: - Additional cost for arrival and return - Board and lodge according to european standard				



Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
3.1.2	Electrical Supervisor PlanET provides an electrical supervisor for the time of construction. Working days estimated: Working days on site: 14 days Important: The calculation is based on the scope of supply in the related material offer and should be seen as estimation. Should the time of construction increase due to changes of the scope of supply or delay outside of PlanET's responsibility, (e.g. - Training of external workers - delay of execution of customer's duties - delay of transport) the additional work will be calculated on time basis. Day's rate for additional work: electrical supervisor: 680€/day In this case the customer has to pay: - Additional cost for arrival and return - Board and lodge according to european standard	1 piece		
4	Title: Approval & Commissioning	1 piece		
4.1	Component Group PlanET Commissioning	1 piece		
4.2	Component Group Training			
4.2.1	Training on site The training takes place during technical and biological commissioning of the biogas plant. Time frame: 7 days	1 piece		
5	Title: Costumers Obligations All prices stated under this point have to be seen as comparision value. They have to be organised, supplied and paid directly by the customer.	1 piece		



Pos.	Description	Quantity Unit ()* optional	Sales Price	Sum
5.1	Component Group Local Labor			
5.1.1	Electrician It is the customer's responsibility to provide a certified electrician during the time of construction for the specified dates of PlanET schedule. Estimated time for scope of supply shown in the material package: Electrician (2 Persons): 40+ work days Please note: The calculated time has to be seen as estimation. Depending on the qualification of the electrician the time requested may vary. If needed the customer has to provide the electrician for a longer time according to the need on construction site.	day		
5.1.2	Mechanic It is the customer's responsibility to provide a certified mechanic during the time of construction for the specified dates of PlanET schedule. Estimated time for scope of supply shown in the material package: Mechanic (5 persons): 80+ work days Please note: The calculated time has to be seen as estimation. Depending on the qualification of the mechanic the time requested may vary. If needed the customer has to provide the mechanic for a longer time according to the need on construction site.	day		
5.1.3	Helping hand It is the customer's responsibility to provide an additional helping hand during the time of construction for the specified dates of PlanET schedule. The worker should have experience in construction work. Estimated time for scope of supply shown in the material package: helping hand (5 Persons): 80+ work days Please note: The calculated time has to be seen as estimation. Depending on the qualification of the mechanic the time requested may vary. If needed the customer has to provide the mechanic for a longer time according to the need on construction site.	day		



Pos.	Description	Quantity	Unit	Sales Price	Sum
		(*) optional			
5.1.4	Local labour from PJA PlanET can organise local labour too with our local partner Pooja Jadhav Associates. This can be offered at the later stages.				
5.2	Component Group Health and Safety	1	day		
5.2.1	Coordinator It is in the responsibility of the customer or of his authorized health and safety coordinator to inform PlanET about additional H&S requirements. Cost occurring due to additional H&S requirements will be invoiced on a time and material basis.		day		
5.3	Component Group Accommodation				
5.3.1	Hotel + Breakfast Customer has to organise entire accommodation and inland transportation for the time of construction and commissioning The accommodation has to fulfill Central European Standard		day		
5.4	Component Group Installation Equipment	1	day		
5.4.1	Crane Crane will be need to unload container and during installation of Flexistore and Eco Paddel The customer will receive an exact schedule from the project manager.		day		
5.4.2	Excavator Excavator will be needed to prepare tranches and pits during time of construction.		day		
Total EUR					1.401.507,85



Terms and Conditions

1. Prices / Basis

- All prices are net prices. The value-added tax in the respective statutory amount shall be added to the prices, should these taxes incur.
- It is the Purchaser's duty to make sure that all local permits, licenses etc. are followed and that all local legislation is abided by.
- All incurred transport costs, costs in association with import duties, customs duties and other equivalent levies shall be paid for by the Purchaser in accordance with Clause 7.

2. Payment Terms (can be discussed)

Material Package:

- 30 % at the signing of the contract
- 20 % against submission of the order confirmation [for major components]
- 20 % upon notification of readiness for dispatch:
 - 5 % first shipment (concrete construction material)
 - 7,5 % second shipment (digester construction material)
 - 7,5 % third shipment (solid feeder, technical container etc.)
- 30 % against submission of shipping documents if shipment is secured via a Letter of Credit, otherwise (without Letter of Credit) prior to shipping. All costs incurring from the application, insurance, delivery, etc., of the Letter of Credit shall be borne by the Purchaser.
 - 5 % first shipment (concrete construction material)
 - 12,5 % second shipment (digester construction material)
 - 12,5 % third shipment (solid feeder, technical container etc.)

Installation Package:

- 15 % at the signing of the contract
- 50 % after the concrete structure(s) (e.g. concrete foundation slab or concrete tanks, whichever may apply) have been cleared for installation by the PlanET project manager/specialist engineer
- 30 % at the end of the installation work (receipt of payment no later than 1 week prior to biological commissioning)
- 5 % on commissioning

All payments payable within 14 days of the date stipulated on the invoice.
All invoices will be sent via email.

3. Price escalation clause

Regular price Adjustments

The contract price for the biogas plant is calculated on the basis of the current prices for components and building materials. A delay in the start of the execution of the project for which PlanET is not responsible or a delay in payment by the Purchaser shall result in an adjustment of the contract price according to the following provisions:

- After 1 (one) year from the date of the offer (VAN), the contract price shall increase by 7% (seven percent)
- The contract price shall increase by a further 4% (four per cent) for every additional 6 (six) months after the one-year period referred to above has elapsed, until the Purchaser has made cumulative advance payments of at least 30% (thirty percent) of the contract sum to PlanET (receipt of payment).



Extraordinary price adjustment

Due to the current price fluctuations, especially for raw materials and finished goods, PlanET is, in addition to the regular price adjustments, entitled to the following extraordinary price adjustments:

- During the first year from the date of the offer (VAN) PlanET will only adjust the contract sum beyond the aforementioned percentages of the regular price adjustments, if increases in material, wages, transport cost, taxes or duties make the contract uneconomical for PlanET.
- Should such an extraordinary price adjustment make the project uneconomical for the Purchaser, the Purchaser may reject the extraordinary price adjustment.
- If the Purchaser rejects the extraordinary price increase, PlanET may withdraw from the contract. If PlanET makes use of this right to withdraw, all services already rendered by PlanET within the scope of the contract must be remunerated by the Purchaser (time & material).
- After payment for all services rendered by PlanET, the Purchaser may implement the project with a third party. Further claims of the Purchaser against PlanET shall be excluded.

Price assurance

If the Purchaser has secured financing for the project and made cumulative advance payments of at least 30% (thirty percent) of the contract price (receipt of payment), regular and extraordinary price adjustments are both excluded, provided the design freeze meeting has already taken place.

The Purchaser shall, after Design Freeze and the financing of the project is secured, inform PlanET when he is ready to make the corresponding advance payment(s). PlanET will then send the advance payment invoice(s) to the Purchaser together with the final contract price.

The final contract price shall be valid provided that the payment is received on time and that a financing confirmation is submitted to PlanET at the latest upon receipt of payment.

Notice:

Supplementary orders are not included in the final contract price and will be invoiced separately.

4. Financing Confirmation

- A financing confirmation from the Purchaser's financing bank covering the total order value must be submitted to PlanET for orders with a total order value in excess of € 50,000 net.
- The financing confirmation must be submitted to PlanET 8 weeks prior to the first shipment. PlanET may postpone the scheduled delivery and/or assembly date accordingly and if necessary even withdraw from the contract should the required financing confirmation not be provided or not be provided on time.

5. Warranty / Liability

Warranty

- The warranty is governed by the conditions stipulated in Clause 7.
- The warranty period for the entire scope of delivery is 12 months and starts with Take Over of the materials.
- Warranty claims shall be subject to the Purchaser's abidance of the PlanET Operating and Maintenance Manual as well as the abidance of the Operating and Maintenance Manuals of the respective component manufacturers.

Liability

- PlanET shall only be liable for damage to property to the extent that such damage is covered by PlanET's



maintained business liability insurance.

- PlanET shall not be liable for loss of production, interruption of operation and/or loss of profit. All further claims for damages, irrespective of their legal basis, are excluded, unless required by law in cases of gross negligence or wilful misconduct.

6. On-site Services / Local Activities

Unless stated otherwise, the following services and obligations are not part of PlanET's scope of supply. Therefore, these services/activities are to be provided by the Purchaser at his own expense and responsibility (on-site services/local activities). Any on-site services/local activities will be billed separately, should the Purchaser commission PlanET to perform any of his on-site services/local activities.

Permits for local activities

- The obtainment of all permits, statistics, expert opinion etc. required (either by regulation at the place of performance or otherwise) for the construction and operation of the biogas plant shall be applied for and obtained by the Purchaser and made available to PlanET as soon as possible after having been obtained by the Purchaser.
- The Purchaser is responsible for ensuring that the scope of supply, which is in accordance with the German State of the Art Standard, complies with the provisions set out in all permits, requirements contained within the permits and all other necessary statutory provisions and regulations. The Purchaser shall check the compliance and confirm this in writing to PlanET. The Purchaser will immediately notify PlanET in writing should a compliance check reveal that changes need to be made to the scope of supply. PlanET must receive the Purchaser's written notification no later than 8 weeks prior to the shipping of the materials.
- Changes may result in additional cost. These costs shall be borne by the Purchaser.

Local construction activities

General:

- The Purchaser shall ensure that the constructional and/or other requirements specified below and/or in separate interface descriptions are provided by the dates specified in the contract or by the date agreed upon with PlanET, so that a faultless and trouble-free assembly/delivery is possible. Waiting periods, work interruptions, additional services etc. due to delayed or insufficient on-site preparation or other reasons PlanET is not responsible for shall be charged to the Purchaser.
- The Purchaser (or owner of the structure to be built) shall ensure that the standard insurance coverage is guaranteed (building owner's civil liability, building shell insurance, etc.). The insurance must cover elementary damage and damage caused by fire to the materials and the plant.
- The Purchaser shall provide a mechanic or similarly trained person and at least one English or German speaking foreman who must be available to PlanET's head mechanic(s) for as long as the biogas plant is being constructed. The instructions of the PlanET head mechanic(s) are to be abided by during construction.
- The Purchaser shall provide sufficient labour force to assist with the biogas plant construction.
- Work safety must comply with the German Work Safety Standard. The Purchaser or his assigned work safety coordinator shall be obliged to inform PlanET of all country-specific or construction area-specific safety requirements. Costs incurred due to additional work safety requirements (which exceed the German Work Safety Standard) such as plans, barriers, clothing etc. shall be charged by PlanET according to expenditure.

Permits/Planning/Site management requirements:

- Obtainment of the building permit and all other required permits. As far as these are not included in the specified scope of supply.
- Foundation inspection in regards to load-bearing capacity and compliance with structural analysis statistics.
- Regulatory calibration works.
- Site management according to the regulations in force at the place of performance.



- . Obtainment of a geological survey.

Building site/Access-road requirements:

- . Establishing a secure and weather-proof access-road capable of withstanding a 45-ton truck (minimum) which leads directly up to the structures, as well as a suitable utility and storage area with sufficient room for a truck loading crane to move.
- . All access-roads as well as the location for the crane must be paved and capable of withstanding regulatory heavy-duty trucks according to the German DIN 1072 (SLW 60). PlanET shall not be liable for damage to the access-roads or crane location areas.
- . De-ironed and de-calcified water must be made available for the filling of the heating circuits.
- . High voltage and lighting currents (connection loads: 230V and 400V, 63A, 50 KVA, 5-core, secured at 35A) with a neutral must be made available no further than 50m from the construction site.

Earthwork and concrete structure requirements

- . Earthwork and concrete structure construction (concrete foundation slab or concrete tanks, whichever may apply) are to be carried out by the Purchaser or by a third party commissioned by the Purchaser and as specified by PlanET.
- . The concrete structures required by the specifications shall be constructed by the Purchaser (or by a third party commissioned by the Purchaser) in accordance with the technical requirements (see Annex). PlanET will only supply a shaft lining plan and the material listed in the specifications. PlanET will conduct a final inspection of the concrete structures (concrete foundation slab or concrete tanks, whichever may apply) with a specialist concrete construction engineer. The Purchaser shall immediately remedy all deviations to PlanET's specifications determined by the specialist engineer and to which he objects. A date for a follow-up inspection shall then be arranged. All costs in association with the follow-up inspection shall be charged to the Purchaser according to expenditure. The installation work may not commence before the PlanET specialist engineer has given his clearance.
- . All other concrete structure-related services not explicitly listed in the specifications above such as for example structure analyses, acceptances, tests etc. shall be performed by the Purchaser.
- . PlanET explicitly points out that the Purchaser is obliged to ensure that all already existing or future constructed concrete structures (concrete foundation slab or concrete tanks, whichever may apply) are suitable and approved for use in a biogas plant. PlanET shall have the right to request written confirmation of the suitability and approval from the Purchaser and the constructor/installation company.
- . PlanET does not assume any liability or guarantee/warranty whatsoever for the concrete structure(s). PlanET shall only be liable for damage caused to the tank structure during installation (e.g. when attaching fixtures) in the cases of wilful misconduct or gross negligence. Liability for indirect and consequential damage or loss (in particular, business interruption, production downtime, loss of profit, in vain expenditures) are excluded in the event of gross negligence.
- . PlanET does not assume any liability for damage or loss due to ground water, formation water and/or surface water.
- . All building excavation and trench work are to be done in consultation with PlanET.
- . All protective coatings of paint applied by the Purchaser (e.g. to the concrete structures) are to be done with due regard to the relevant technical data sheets.
- . The concrete structure(s) must be checked for leakages (e.g. by filling the tanks with > 0,5 m of water) by the Purchaser.
- . The Purchaser must refill all excavation pits and trenches.

Solid matter feeder requirements

- . The Purchaser shall provide a suitable, stable and freeze-resistant set-up area to meet with PlanET's minimum requirements.
- . The Purchaser shall provide suitable and sturdy collision guards around the solid matter feeder.

Important information and due diligence obligations; miscellaneous on-site services / local activities



- . The Purchaser shall provide suitable and sturdy collision guards for all above-ground pipes.
- . The Purchaser shall provide for drainage including a drainage pump throughout the construction period.
- . It must be made possible to install all pumps in a frost-free and dry environment. The Purchaser shall insulate the pipes, should this be necessary.
- . The Purchaser shall take over and if necessary dispose of any leftover material.
- . The Purchaser shall provide a skip (> 37 m³) for mixed waste and empty it whenever necessary.
- . Safe, dry and frost-free storage is required for all the construction materials. The Purchaser must provide suitable anti-theft devices.
- . The Purchaser shall provide scaffolding and a telescopic loader (or a tractor with a front loader and working cage) to conduct all loading, unloading and installation work. If necessary, the Purchaser shall provide a crane.

7. Miscellaneous

- . The ORGALIME SI 14 conditions: "GENERAL CONDITIONS for the SUPPLY AND INSTALLATION OF MECHANICAL ELECTRICAL AND ELECTRONIC PRODUCTS" shall apply, unless stated otherwise.
- . The Purchaser shall bear the costs of transportation from Germany to the building site and all costs for clearing customers (EXW; Incoterms® 2010). These costs shall be charged according to expenditure plus a 25 % handling-fee, unless stated otherwise in the specifications.
- . Warranty scheme ("Service/Maintenance Agreement", including training and support for one employee of the Purchaser to enable them to perform warranty duties; PlanET shall provide the materials).
- . The Purchaser shall bear the costs for travel and transfer of any PlanET employee(s), as well as the costs for appropriate board and lodging (Central European Standard).
- . All documents listed in the specifications which PlanET are obliged to provide (e.g. plans, documentation, operating manuals etc.), as well as any signs/labels shall only be made available in either English or German. PlanET can request a quote for translation and other extra work, should the Purchaser require the documents or the signs/labels in another language.
- . The Purchaser shall bear any additional and extra costs accrued, should the installation and/or construction period be longer than originally estimated.
- . All agreements shall be governed and construed in accordance with German law. Sole place of jurisdiction shall be Vreden, Germany.
- . PlanET's scope of supply is subject to the EU Machine Regulations (pursuant to Directive 2006/42/EG – Maschinenrichtlinie), meaning that all electrical parts and components are provided with a CE marking.
- . All technical documents and components that are delivered by PlanET are EU standard.
- . Additional components may be added or removed after the initial technical discussion with the Engineering Team, during the technical clarification process, with a possible cost impact.

8. Final Provision

Not included in the aforementioned quotation/price are additional services/alternative services resulting from new permits being issued by authorities or authorities issuing sanctions, secondary provisions etc. on already existing permits (e.g. emission limits, safety requirements, foil-sealing requirements etc.). The same shall apply in the event of an issuance of new laws, regulations and/or provisions and if changes are made by PlanET's suppliers or made to the Standard Rules of Technology relevant to this range of service. Furthermore, PlanET can only provide the required documentation for our scope of supply.

PlanET's General Terms and Conditions and General Delivery Conditions shall apply, unless stated otherwise.

This offer is valid until 31.10.24.

The non-binding offer can be ordered by the customer according to the terms and conditions under following conditions precedent:

- . Payment Terms will be changed to letter of credit with advance payments against advance payment bonds outside



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for Carbon Circle Pvt. Ltd. Level-5, The Circle, HUDA City

letter of credit.

- . delivery terms will be changed from EXW PlanET's facilities in Germany to CIF Mumbai or other suitable Indian port (both understood Incoterms 2020) and PlanET will revise the price accordingly after clarification of scope of supply
- . Delivery time will start with receipt of first advance payment respectively confirmation of the letter of credit by first class German bank
- . The parties will agree on technical performance guarantees for the biogas yield after finalisation of feeding menu
- . Approval by PlanET's board until 30.11.2024

The Parties will make reasonable endeavors to find agreement on the above open points until 15.11.2024.

Please do not hesitate to contact us should you have any questions or require further explanation regarding our offer or wish to visit one of our many existing facilities or ongoing projects.

Kind regards,



Consultant
Dietmar Epping
Project No.
NB76455.05

Order

Company / Mr. / Mrs.

Name : Carbon Circle Pvt. Ltd.

Address : Level-5, The Circle, HUDA City

City : 110034 Gurugram

-Customer-

to

PlanET Biogas Global GmbH

Schildarpstr. 75

48712 Gescher

-Constructor-

I/We order the PlanET Biogas Global GmbH according to the terms and conditions of the tender No. VAN-64880 from 30.09.24

.

Place, Date

Stamp / Signature of Customer