

Kalpana Foods

Office: Near Railway Station, Kirloskarvadi, Tal.: Palus Dist.: Sangli
Maharashtra-416308

Contact No.: 9922615515 E-mail: atulkalekar4@gmail.com

GST No.: 27BQZPM6574R1ZA

Quotation

Date: 08/10/2022

To,
Krushiutkarsh Agro Farmer Producer Company Ltd.
A/P: Nigave Dumala Tal.: Karveer Dist.: Kolhapur
Pin Code: 416229.
Mob. No.: 9923674005

Ref. No.: KF0902/22/216

1) ETP TREATMENT PLANT: Qty 1

UNIT DETAILS AND SALIENT FEATURES

SCREEN CHAMBER

The raw effluent from production process comes to the screen chamber. In the screen chamber, the floating material is removed from the effluent, to avoid choking of the downstream treatment processes. The coarse particles will be removed in the screen chamber. The screenings collected from bar screen have to be disposed away from the treatment units, in order to avoid entry of the same screenings again into the screen chamber.

OIL AND GREASE TRAP

The oil and grease trap is provided to remove oil and grease. Oil & grease comes into the effluent from spillages from various equipments. Removal of oil & grease is important because of its adhesive property. It reduces the treatment capacity of the further units, for e.g. the physico-chemical and biological treatment units. The effluent contains free oil & grease that is lighter than the effluent. Therefore, these can be removed after collection at the top in the oil & grease trap. To remove floating oil & grease, slotted pipe has been provided. The oil & grease will overflow into it and will be taken out for disposal.

EQUALIZATION TANK

After oil trap, effluent is collected in the equalization tanks. The main objective of this unit is providing constant flow rate of the raw effluent to the downstream treatment units and also providing equalized characteristics of the raw effluent. The equalization tank is provided with a air grid at the bottom to keep the contents in complete mix condition. The effluents are neutralized in the equalization tank.

BUFFER TANK

The effluent from the Primary clarifier is taken into the Buffer tank. The buffer tank is a pumping station in order to pump the effluent in to the UASBR. It also acts as a recirculation chamber during lean seasons.

ANAEROBIC TREATMENT

The wastewater after Primary Treatment will be subjected to biological treatment. Anaerobic biological treatment is suitable to reduce the BOD & COD of the effluent. During the anaerobic treatment process, the organic matter, which exerts BOD & COD, gets converted to biogas and bacterial cells.

ANAEROBIC CLARIFIER

The effluent from the anaerobic system will be taken into a clarifier where sludge gets settled and sent to drying beds and clear water is sent to Aerobic treatment.

AEROBIC TREATMENT

The effluent coming out of the anaerobic reactor contains residual BOD & COD, which is not degradable by anaerobic microorganisms. The aerobic biological process will treat this

TERTIARY TREATMENT

The Aerobically treated effluent is sent to Chlorination and De Chlorination and then passed through Pressure Sand Filter and Carbon Filter and the effluent is sent to treated water tank.

SLUDGE HANDLING

Sludge is generated from the different units of treatment plant. To handle the sludge, its dewatering is essential and is done by using Sludge drying beds.

EQUIPMENT:

Static Screen :

Quantity 01

Capacity 2 cum/hr

Type Static screen with pleated mesh MOC SS 304 Make Peacock (Fabricated as per IS standards)

Buffer Tank

Feed pumps Quantity 02

Discharge 8 cum/hr Head 20 meters Type Centrifugal, open Impeller type MOC CI Make Promivac / Kirloskar/ Eq

Lime Dosing tank Quantity 01

Volume 500 Lts

Drive Geared motor MOC of agitator SS 304

MOC MSFRP

Make Peacock (Fabricated as per IS standards)

UASBR Feed pumps

Quantity 02

Discharge 5 cum/hr

Head 1 meters

Type Centrifugal ,

open Impeller type MOC CI Make Promivac / Kirloskar/ Eq

MACHINERY PRICE LIST

Sr. No	Name of Machine	Price in Rs	Qty	Total Price in Rs
1	ETP Plant	450000	1	4,50,000.00
2	Total			4,50,000.00
3	Add GST@18%			81,000.00
4	Grand Total			5,31,000.00Rs

TERMS & CONDITIONS:

- 1) Price: Above prices are basic net prices without any taxes ex works Kirloskarvadi.
- 2) Transport: All transport charges will be born by customer from our place.
- 3) Payment: 60% advance with confirmed purchase order. Balanced 40% by proforma invoice before dispatch of equipments.
- 4) Delivery 60 days from the date of receipt of advance and purchase order.
- 5) Warranty: 1 yr.from the date of dispatch of machine. The warranty is for faulty mechanical defects and not for electrical, electronic and wear and tear parts like belt, seals etc.
- 6) At the time of installation of Boiler Krane is required, krane charges will be born by customer.

7) A/c Details:


ICICI Bank

Kalpana Foods

A/c No.: 636805500031

IFSC Code: ICIC0006368

Branch: Ramanandnagar

For, Kalpana Foods
Date . 
Proprietor

Thanks and Regards

(Kalpana Foods)