**LIST OF MACHINERIES REQUIRED FOR SETTING UP PDU FOR 1TON PER DAY CAPACITY ECO COLLAGEN REGENERATIVE LEATHER (ECRL)**

**1- HOLLANDER BEATER- (1NO)**

**I**t will be made of MS plate and 6" thick shaft, complete with MS stand with gear box and carbon steel knives. Number of blades shall be approximately 65 in numbers The size of Hollander beater will be 36" x 42" drive with V pulley with electric motor and power controls. Motor required is approximately - 50 HP 960 RPM 3 PHASE.

**2- FIBERISER- (1NO)**

It will in number made with mild steel. Fabricated body and blade shall be size 18", and numbers of blades 8. complete with ducting, high pressure air blower, bags and all necessary accessories 1 motors 40HP 960 rpm, 1 motors required 10 HP 1440 rpm, 1 Motor 5 HP 960 rpm, shall be supplied along with fiberizer in complete.

**3- SUCTION BOX- (5NOS OF SIZE 46”X56”)**

Suction box shall be of RCC with smooth inner finish with cement mortor. The bottom plate shall be with 20mm PP perforated plate and nylon 0.5mmx0.5mm mesh-180 nos.

**4- VACUUM PUMP- (1NO)**

The vaccum pump will be made as Kirloskar type and suction will be 3" with base plate and counter shaft and vacuum tank with electric motor. HP required 15-20 HP 1440 RPM.

The vacuum pressure as per requirement for 5nos of suction box.

**5- SLUDGE PUMP- (2NOS)**

This sludge pump will be of size 4" suction and 3" delivery complete with hi-tech impeller with base plate. HP required 5HP 1440RPM with electric motor and electric equipment.

**6- STIRRER- (1NO)**

It will be made by MS shaft and 100mm channel frame complete with gear box. It is for overhead tank 5 HP, 960 RPM with electric motor and electric equipment.

**7- H TYPE HYDRAULIC PRESS (1NO)**

It will be made of heavy-duty MS fabricated body 40 to 50 mm plate. The total height of press body will be 8', Ram size will be 20" (Dia.) and complete with hydraulic pump with electric motors (20- HP, 1440 RPM, 3 phase). Table size 60" x 48".

Pressure capacity 2500 tons. (With Hydraulic oil)

**8- TRIMMING MACHINE- (1NO)**

This machine will be of size 60". It will be made like a table and is manual.

**9- HYDRAULIC CALENDARING MACHINE** (Spring loaded pressure) (1000 pounds)- (10HP motor)

**10- ALUMINIUM PLATE** (120Nos) Thickness 1.2mm, Size 47”x57”