

R B PATIL & ASSOCIATES

S-10, Kings Court, Shivaji Park, Kolhapur, Tal - Karvir, Dist - Kolhapur, Maharashtra.
Pin – 416001

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Date: - 09/02/2023

To,

The Managing Director
Padmashree Dr. D.Y.Patil S S K Ltd.,
Dnyanshanti Nagar, Vesraf-Palsambe,
Tal. Gaganbawada, Dist. Kolhapur
Maharashtra.

Subject: - Inspection & Analysis report for 5200+ TCD upgradation.

- 1 Existing Tippler Bracket foundation to be modified, strengthened & taken back. Capacity of Hydraulic pack to be increased from 40 ton to 60 ton.
- 2 For this Tippler trolley dropping, new hopper to be provided & adjustable plate for proper level of cut cane blanket will be maintained to avoid jamming.
- 3 New feeder table 8 X 7 Mtr. will be installed. For this feeder table foundation drawing & shaft, sprocket drive details will be provided by us.
- 4 Cane unloader existing 7.5 MT trolley can be used by changing cane duty motor, gear box & drum of crane duty 40 HP. required strengthening will be carried out.
- 5 New & moderate design new concept "Techno Effective Levello Cutter" will be provided for maximum cane feeding with effective cane carrier utilization for improvement in preparation, uniform feeding & increase in crushing rate 500 to 800 MT per day. Required 400 HP slip ring motor & starter to be procured by factory RPM will be 585.
- 6 Existing kicker to be modified on existing drum with new design.
- 7 Existing chopper to be kept on same position with new clearance - 750 mm. Its motor & gear box to be replaced by old one 250 HP capacity.
- 8 Existing swing type leveler motor of 250 X 2 No. 585 RPM should be equipped with current balancer.

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- 9 New “Equi-Denser with overall plant stabilizer” for increasing bulk density, uniform feeding, smooth & increased crushing will be installed in the cane carrier.
- 10 Existing 1st rake carrier non drive end to be extend about 2 Mtr. Its rakes design also found to be checked & verified.
- 11 Existing fibriser pedestal shall be changed to grease lubrication & water cooled system.
- 12 Zero mill pitch to be increased to 40 to 50 mm of mill.
- 13 GRPF system drainage to be increased by rectification. Its mill existing drive of mill to be replaced by 1st mill motor of 750 HP & for GRPF zero mill motor of 375 KW to be shifted.
- 14 For increase in crushing rate required rectification, modification & alteration during off-season overhauling & maintenance will be suggested by us in 3 to 4 visits for more juice drainage, feed ability, easy floating & working of hydraulic system & hydraulic ram.
- 15 Existing boiler equipment & accessories will be checked & necessary changes will be suggested for increase in 4 to 5 MT steam in co-gen boiler.

Thus we assure hereby with to increase 500 to 800 MT crushing rate & minimum 100 MT bagasse saving per day with our consultancy, required changes, rectification & our new moderate design “Techno-Effective Levello-Cutter & Equi-Denser with overall plant stabilizer”

R B PATIL
TECHNICAL DIRECTOR
RB PATIL & ASSOCIATES