



LARK ENGG. CO. (INDIA) PVT. LTD

LARK

I.T.I SASOULI ROAD, YAMUNA NAGAR, PH. 91-1732-257685, 259685

SERVICE/ VISIT REPORT

Format: LEC/P-38

Project Name : M/s Sri Langta Raba Agro Pvt. Ltd.	Project Location : Girdih, Jharkhand
Feed Plant: Poultry	Plant 8 to 10 TPH
Plant operation:	If Automatic: Automatic
Type of Call	
Name of Service Person (Lark Representative)	Amit Tiwari
Arrival at Site (Date / Time)	31/10/2025 9:00 AM
Departure from Site (Date / Time)	6/11/2025 7:00 PM
Customer Concern	1. Power Consumption, 2. Rotary Vane feeders 3. Pellet bin sensor
Action Taken	1. To Reduce recycle qty, it is advised to use 22 mesh screen in the screens 2. Total Power Consumption per ton of feed depends on many unsupervised running of plant on single upon formulation, running hours, unsupervised running of plant on single formulation and operational parameters, Condition of consumable parts Power M of additional machines like chain conveyor, dust collector etc. As per visit we have suggested client to run the plant with a single recipe for at least 10-12 hours continuously so that proper power audit can be done
Job Completion Status	Plant Not run proper is single recipe.
Performance after completion of Job	Satisfied (✓)
General feedback/ comments	

Client Signature with stamp
Representative)

Signature of Service Person (Lark)

This document Handover to Mr. Ashutosh Pandey Sir (Manager)
Note: During Service, you have to arrange lodging facility (free of cost) to our representative during their stay at your site.

Site Visit Report

Site Name: Sri Langta Baba Agrovet Pvt. Ltd.

Location: Giridih, Jharkhand

Purpose of Visit: Investigation of power consumption complaint

Date of Visit: 03-11-2025

Visited By: Amit Tiwari

1. Observation Summary (Date 03-11-2025)

A. Hammer Mill Section

- Motor Load: 165–185 Amp
- Grinding Time: 240–246 sec
- Feeder Off-Delay Time: 30 sec
- Rotary Feeder Speed: 1750–1800 RPM

Remarks: Hammer mill was found operating normally with stable current variation within the rated range.

B. Mixer Section

- Wet Mixing Time: 160 sec
- Dry Mixing Time: 60 sec
- Motor Load: 15–17 Amp

Remarks: Mixer operation and timing found satisfactory.

C. Pellet Mill Section

- Main Motor Load: 170–220 Amp
- Feeder Speed: 1200–1400 RPM
- Conditioner 1 Temperature: 74°C
- Conditioner 2 Temperature: 76°C

Remarks: Pellet mill observed running smoothly. Conditioner temperature and feed rate found within normal working range.

2. Production Details

- Total Production: 25 tons
- Pre-Starter: 10 tons
- Starter: 10 tons
- Finisher: 5 tons
- Recycle in Pre-Starter: 23-29 kg
- Average Power Consumption: 32 units per ton
- Average Hourly Output: 8.33 tons/hour
- Observation Duration: 3 hours (Pellet Mill Operation)

2. Observation Summary (Date 03-11-2022)

A. Hammer Mill Section

- Motor Load: 175-195 Amp
- Grinding Time: 249-252 sec
- Feeder Off-Delay Time: 30 sec

Remarks: Hammer in within the rated range.

B. Mixer Section

- Wet Mixing Time: 100 sec
 - Dry Mixing Time: 70 sec
 - Motor Load: 15-17 Amp
- and timing found satisfactory.

Remarks: Mixer op

C. Pellet Mill Section
Load: 170-220 Amp

- Main Motor Load: 1200-1500 RPM
- Feeder Speed: 1200-1500 RPM
- Feeder Temperature: 75°C
- Conditioner 1 Temperature: 75°C

- Conditioner 2 Temperature: 76°C

Remarks: Pellet mill observed running smoothly. Conditioner temperature and feed rate found within normal working range.

2. Production Details

- Total Production: 50 tons
 - Pre-Starter: 20 tons
 - Starter: 30 tons
- Recycle in Pre-Starter: 23-29 kg
- Average Power Consumption: 31.4 units per ton
- Average Hourly Output: 8.62 tons/hour
- Observation Duration: 5:48 hours (Pellet Mill Operation)

3. Observation Summary (Date 06-11-2025)

A. Hammer Mill Section

- Motor Load: 175-195 Amp.
- Grinding Time: 237-246 sec
- Feeder Off-Delay Time: 30 sec
- Rotary Feeder Speed: 1750-1800 RPM

Remarks: Hammer mill was found operating normally with stable current variation within the rated range.

B. Mixer Section

- Wet Mixing Time: 150 sec
- Dry Mixing Time: 50 sec
- Motor Load: 15-17 Amp

Remarks: Mixer operation and timing found satisfactory.

C. Pellet Mill Section

- Main Motor Load: 170-220 Amp
- Feeder Speed: 1300-1505 RPM

- Conditioner 1 Temperature: 76°C
- Conditioner 2 Temperature: 77°C

Remarks: Pellet mill observed running smoothly. Conditioner temperature and feed rate found within normal working range.

2. Plant Equipment Condition

1. Intake Chain Conveyor: Working properly. Motor current recorded at 7.5-8.5 Amp.
2. Bucket Elevators: All belts properly tightened and aligned.
3. Rotary distributor working good.
4. Rotary vane feeder working properly.

3. Production Details

- Total Production: 30 tons
- Starter: 30 tons
- Recycle in Pre-Starter: 23-29 kg
- Average Power Consumption: 30.4 units per ton
- Average Hourly Output: 9.43 tons/hour
- Observation Duration: 3:11 hours (Pellet Mill Operation)

4. Analysis

The overall plant operation was found smooth with all major equipment functioning properly. The power consumption (30.4 units/ton). Power consumption can be reduced by around 3 to 4 units per ton if the recycle quantity from the screener is minimized.

5. Suggestions / Recommendations

1. To reduce recycle quantity, it is advised to use a 22-mesh screen in the Screener.

2. Continue monitoring amp load variations in the Pellet Mill for further optimization.
3. Regularly check alignment and tightness of all transmission belts to maintain energy efficiency.
4. Total Power Consumption per ton of feed depends upon formulation , running hours, uninterrupted running of plant on single formulation, and operational parameters , Condition of consumable parts , Power H.P. of additional machines like chain conveyor, dust collectors etc. As per visit we have suggested client to run the plant with a single recipe for at least 10 to 12 hours continuously so that Proper power audit can be done.



Prepared By: Amit tiwari

Designation: Site engineer

Date: 06-11-2025