

bajaj hindusthan sugar limited

Unit - Thanabhawan , Distt. Shamli (UP)

FINAL MANUFACTURING REPORT

RT - 8 (C)

CRUSHING SEASON

2021-2022

Factory :
Thanabhawan
P.O.Thanabhawan
Distt. Shamli
U.P) - 247777

Corp. Office :
Bajaj Bhawan,
TC-13, Vibhuti Khand
Gomti Nagar
Lucknow- 226010

Registered Office :
Golagokarannath
Lakhimpur Kheri
Distt. Kheri (U.P)
Uttar Pradesh 262802

FORM R. T. 8 (C)

(For Central Sugar Factories)

Final Manufacturing Report for Season 2021-22

Name & Address of Factory :-

Bajaj Hindusthan Sugar Limited, Thanabhawani

ST Registration No. :-

09AAACB4351J1ZQ

Purification Process used :-

Double Sulphitation

No.	PARTICULARS	This Season 2021-22	Last Season 2020-21
1	Time Account		
	Date of start	08 November 2021	01 November 2020
	Time of start	11.15 AM	4.00 PM
	Date of finish	26 April 2022	02 May 2021
	Time of finish	3.40 AM	10.00 PM
	Gross season days	170	183
	Duration of season -days (g)	175	192
	Total hours Actual Crushing	3845.80	4227.85
	Total hours lost	228.62	148.15
	i) Cane shortage	14.73	14.17
	ii) Mechanical	9.33	3.86
	iii) Process	0.00	0.00
	iv) General cleaning	28.62	62.57
	v) Miscellaneous	164.42	33.05
	a) Inclement Weather		
	b) Festivals	8.25	5.00
	c) Others	1.27	27.52
(A)	Cane Crushed :		
	i) Own Estate Cane	0.00	0.00
	ii) Gate Cane	6151119.28	6537262.38
	iii) Out Station (Road Centre)Cane	6556812.06	6942284.98
	iv) Out Station (Rail Centre)Cane	0.00	0.00
	v) Total	12707931.34	13479547.36
(B)	i) Cane Crush on C Molasses	1711331.34	0.00
	ii) Cane Crush on B Molasses	10996600.00	0.00
(C)	Total Raw Sugar Melted	0.00	0.00
3	Juice & Added Water		
	Average Gross Mixed juice % Cane	120.15	121.74
	Correction % Mixed juice	0.41	0.45
	Average Net Mixed juice % Cane	119.66	121.19
	Total Net Mixed juice	1,52,05,892.54	1,63,36,105.21
	Average Added Water	46.77	48.34
4	Sugar		
	Total sugar bagged		
	i) No. of bags a) 50 kg	25,54,452	28,87,792
	b) 100 kg	0	0
	=>White Sug Qtls.	12,74,100	14,40,860
	=>BISS Sug Qtls.	3,126	3,036
	Sugar produced on Cane crush for C Molasses	2,09,076	0
	Sugar produced on Cane crush for B Molasses	10,68,150	0
	ii) Total Quantity Bagged	12,77,226	14,43,896
	Sugar in Process , if any	0	0
	Total Sugar made	12,77,226	14,43,896
	Sugar recovered from previous season's process	0.0	0.0
	Sugar recovered from pre. season's remelt sugar	0	598
	Sugar Recovered from Raw Sugar	0	0
	Total net Sugar made	1277226	1443298
5	Molasses/ SYRUP		
	Total Molasses sent out	740877	780309
	Molasses in process ,if any	0	0
	Total Molasses Produced	740877	780309
	Molasses recovered from previous season's process	0	0
	Molasses recovered from pre. season's remelt sugar	0	106
	Molasses Recovered from Raw Sugar	0	0
	Molasses produced - (C- Heavy Molasses)	88526	0
	Molasses produced - (B- Heavy Molasses)	652351	0
	Total net Molasses made	740877	780309
	Total Qty Bagged includes	3,126	Qtls. Of BISS Sugar above 90 Pol. for this year
	Total Qty Bagged includes	3,036	Qtls. Of BISS Sugar above 90 Pol. For last year

6 Recovery			
Average Recovery of sugar percent cane		10.06	10.71
Average Production of final molasses percent cane/SYRUP		6.83	6.79
Average Production of C-Heavy molasses percent cane		6.17	
Average Production of B-Heavy molasses percent cane		6.93	
Average Recovery of sugar percent Raw Sugar			
Average Production of final molasses percent Raw Sugar			
7 Bagasse percent Cane		26.62	26.60
Filter cake percent cane		4.46	4.29
8 Stores used			
Fire wood percent cane			
a) Trial	% Cane	0.00	0.00
b) season	% Cane	0.00	0.00
Other fuel percent cane	(Rice husk & saw dust)		
a) Trial	% Cane	0.00	0.00
b) season	% Cane	0.00	0.00
Bagasse	a) Trial	0.00	0.00
	b) season	0.00	0.00
Lime Percent Cane	a) Process	0.195	0.191
	b) ETP	0.007	0.013
Sulphur Percent Cane		0.054	0.055
Phosphoric Acid	Kg.Per 100 Qtls.of Cane	0.117	0.101
Sub. of Phosphoric Acid	Kg.Per 100 Qtls.of Cane	0.032	0.040
Color PPT	Ltrs. Per 100 Qtls.of Cane	0.068	0.074
Lubricants	Ltrs. Per 100 Qtls.of Cane	0.046	0.050
Grease	Kg per 100 Qtls.of Cane	0.023	0.027
Gunny bags for sugar	Nos. per 100 Qtls.of Cane	0.000	0.000
Jute bags (50 Kg)	Nos. per 100 Qtls.of Cane	0.000	0.000
HDPE/ PP Bags(50 kg)	Nos. per 100 Qtls.of Cane	20.113	21.427
Seed Slurry	Kg per 100 Qtls.of Cane	0.054	0.053
Bacteriocides Used in Mill House	Kg per 100 Qtls.of Cane	0.078	0.082
Bacteriocides Used in Boiling House	Kg per 100 Qtls.of Cane	0.024	0.013
Washing soda	Kg per 100 Qtls.of Cane	0.091	0.088
Caustic soda (P)	Kg per 100 Qtls.of Cane	0.314	0.349
Caustic soda (E)	Kg per 100 Qtls.of Cane	0.029	0.036
Viscosity reducer	Kg per 100 Qtls.of Cane	0.034	0.021
Flocculants	Kg per 100 Qtls.of Cane	0.023	0.024
Antifoam	Kg per 100 Qtls.of Cane	0.001	0.006
Common salt	Kg per 100 Qtls.of Cane	0.133	0.174
Hydrochloric Acid	Kg per 100 Qtls.of Cane	0.061	0.081
10 Analysis			
Cane	Sugar percent	13.22	13.52
	Fibre percent	12.90	12.88
Primary juice	Sugar percent	15.50	15.89
	Brix percent	18.52	18.92
	Purity	83.70	84.00
Mixed juice	Sugar percent	10.75	10.87
	Brix percent	13.06	13.15
	Purity	82.31	82.62
Last Express juice	Sugar percent	1.15	1.17
	Brix percent	1.54	1.56
	Purity	74.62	75.02
Clarified juice	Sugar percent	10.79	10.90
	Brix percent	13.09	13.19
	Purity	82.39	82.67
Filtered juice	Sugar percent	8.12	8.70
	Brix percent	10.70	11.81
	Purity	75.93	73.62
Unsulphured Syrup	Sugar percent	48.72	48.49
	Brix percent	59.76	59.18
	Purity	81.53	81.95
Sulphured Syrup	Sugar percent	48.03	47.82
	Brix percent	59.08	58.52
	Purity	81.29	81.72

Masseccuite				
Masseccuite -A	Brix percent	92.94	93.12	
	Purity	88.40	87.82	
Masseccuite -A1	Brix percent	91.50	91.81	
	Purity	77.05	78.71	
Masseccuite -B	Brix percent	96.01	94.64	
	Purity	74.06	76.62	
Masseccuite -C	Brix percent	99.72	100.20	
	Purity	60.06	60.63	
Masseccuite -C1	Brix percent	97.42	97.81	
	Purity	60.33	61.61	
Molasses				
A - Heavy	Brix percent	79.96	79.16	
	Purity	76.08	76.38	
A1 - Heavy	Brix percent	80.32	80.66	
	Purity	60.13	63.28	
A - Light	Brix percent	70.33	70.44	
	Purity	92.10	91.09	
B - Heavy	Brix percent	86.18	85.49	
	Purity	48.36	52.97	
C1 - Heavy	Brix percent	89.11	86.71	
	Purity	41.21	41.05	
C - Light	Brix percent	79.47	79.62	
	Purity	69.18	70.57	
Sugar				
White Sugar (Bagged)	Sugar percent	99.90	99.90	
	Moisture percent	0.03	0.03	
Final Molasses	Sugar percent	46.21	40.79	
	Brix percent	86.53	87.52	
	Purity	53.40	46.61	
Bagasse	Sugar percent	1.33	1.33	
	Moisture percent	49.76	49.82	
	Fibre percent	48.46	48.41	
Filter cake	Sugar percent	1.51	1.42	
Clear juice	pH	7.02	7.02	
	Temperature (0c)	99.62	99.59	
11 Mill Extraction, Boiling House Extraction & Overall Extraction				
Mill Extraction		97.33	97.39	
Reduced Mill Extraction		97.42	97.48	
Boiling House Extraction		77.97	81.14	
Reduced Boiling House Extraction		81.91	84.18	
Overall Extraction		76.04	79.18	
Reduced Overall Extraction		79.80	82.05	
12 Sugar Balance				
Sugar in Cane		13.22	13.52	
Sugar in Mixed Juice		12.86	13.17	
Sugar in Bagasse		0.35	0.35	
Sugar in Filter Cake		0.07	0.06	
Sugar in Final Molasses/SYRUP		2.69	2.36	
Sugar in sugar		10.04	10.70	
Sugar undetermined		0.06	0.05	
Total Losses (in Bagasse, Filter cake, Molasses & Undetermined)		3.18	2.83	

I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.

(Vijayveer Singh)
A.G.M.(Q.C)

(Amod Bishnoi)
G.M.(Production)

(Shrawan Kumar Chauhan)
Sr.D.G.M.(Engg.)

(J.B.Tomer)
Sr.G.M.(Cane)

(Veer Pal Singh)
Sr.Vice President (Unit Head)
Zonal Head (OP)- WZ

- (a) Outstation cane is the cane weighed and purchased at a centre other than at the factory gate.
 (b) For carbonation factories only.
 (c) In case of 3 masseccuite system, brix and purities of C heavy and D light molasses are not to be given
 (d) Sugar means 'Direct Pol'.
 (e) Bagasse percent cane = 100+ added water percent cane - mixed juice (gross) percent cane
 (f) Gross season means the total number of days from the date of start to the date of close both days inclusive
 (g) Duration of season this is calculated by dividing the total hours actual crushing by 22
 Return in this form must be prepared for the entire working season of the factory and must be submitted so as to reach not later than thirty days after the date on which working season closes to the following authorities:-
 1. Central Excise Authorities concerned.
 2. Directorate of Sugar & Vanaspati.
 3. National Sugar Institute, Kanpur.
 4. Directorate of Economics & Statistics.

Bajaj Hindusthan Sugar Limited, Thanabhawan

ADDITIONAL INFORMATION ALONG WITH FINAL MANUFACTURING REPORT

S.No.	PARTICULARS	This Season 2021-22	Last Season 2020-21		
1	Mill Extraction	97.33	97.39		
2	Reduced Mill Extraction		97.48		
	a) Deerr	97.42	97.46		
	b) Mittal	97.41	97.26		
3	Whole reduced Extraction (Mittal)	97.26	81.14		
4	Boiling House Extraction	77.97			
5	Reduced Boiling House Extraction		84.10		
	a) Gundu Rao	82.36	84.18		
	b) Noel Deer	81.91	79.18		
6	Overall Extraction	76.04			
7	Reduced Overall Extraction		81.79		
	a) Gundu Rao	80.11	82.05		
	b) Noel Deer	79.80	47.27		
8	Virtual purity of final molasses	50.62	19.35		
9	Undiluted juice lost in bagasse % fibre	19.82	76.43		
10	Added water extracted in mixed juice % added water	75.36	375.39		
11	Added water % fibre	362.54	72.85		
12	DMF	72.89			
13	Crush rate per 24 hours	74,892	73,962		
	a) Including Stoppage	79,305	76,519		
	b) Excluding stoppage	9,000	9,000		
	d) Sanction Capacity (T.C.D.)	5.56	3.34		
		47.09	50.58		
14	Total Time lost % available				
15	Steam consumption % cane	97.49	97.52		
16	E.R.Q.V.	83.53	83.80		
	a) M.J./ P.J.				
	b) L.M.J./ P.J.	25.45	27.49		
17	Masseccuite % Cane	5.38	3.33		
	a) A- Masseccuite	10.00	11.04		
	b) A1- Masseccuite	1.06	2.88		
	c) B- Masseccuite	0.50	1.61		
	d) C- Masseccuite	0.00	0.00		
	e) C1- Masseccuite	0.00	0.00		
	f) R1- Masseccuite	0.00	0.00		
	g) R2- Masseccuite	42.38	46.34		
	Total Masseccuite %				
18	Gradewise sugar production (Qtis.)	2021-22	2020-21		
		QUANTITY	%ge	QUANTITY	%ge
	ISS GRADE	1,78,880	14.01	93,940	6.51
	L-31	10,86,220	85.05	13,36,550	92.57
	M-31	0	0.00	0	0.00
	S-31	0	0.00	0	0.00
	SS-31	500	0.04	5,780	0.40
	L-30	8,500	0.67	4,590	0.32
	M-30	0	0.00	0	0.00
	S-30	0	0.00	0	0.00
	M-29	0	0.00	0	0.00
	S-29	3,126	0.24	3,036	0.21
	BISS	12,77,226	100.00	14,43,896	100.00
	TOTAL				

I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.

(Vijayveer Singh)
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