



Unit - Bhaisana (Budhana)

Distt. - Muzaffarnagar (U.P.)

**FINAL MANUFACTURING
REPORT RT - 8 (C)**

**CRUSHING SEASON
2021-2022**

**Factory
Bhaisana
P.O. Budhana
Distt. Muzaffarnagar
(U.P.) - 251309**

**Corp. Office:
Bajaj Hindusthan Sugar Ltd,
Plot No. TC-13 Vibhuti Khand
Gomti Nagar Lucknow
Distt. Lucknow (U.P.) - 226010**

**Registered Office:
Bajaj Hindusthan Sugar Ltd,
Gola Gokarannath
Distt. Lakhimpur Kheri
(U.P.) - 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, Budhana**
GST Registration No. :- **09AAACB4351J1ZQ**
Clarification Process used :- **Double Sulphitation**

S.No.	PARTICULARS	This Season 2021-22	Last Season 2020-21
1	Time Account	08 November 2021	01 November 2020
	Date of start	6:15 AM	2:15 PM
	Time of start	19 April 2022	01 May 2021
	Date of finish	4:00 AM	2:15 AM
	Time of finish	163	182
	Gross season days	168	193
	Duration of season -days (g)	3686.25	4250.42
	Total hours Actual Crushing	223.50	105.58
	Total hours lost	38.25	23.00
	i) Cane shortage	24.25	19.58
	ii) Mechanical	0.00	0.00
	iii) Process	34.00	38.50
	iv) General cleaning	122.50	10.50
	v) Miscellaneous	0.00	3.25
	a) Inclement Weather	0.00	10.75
	b) Festivals	4.50	
	c) Others		
2	(A) Cane Crushed :		
	i) Own Estate Cane	Qtls. 6103105.47	7028058.97
	ii) Gate Cane	Qtls. 6544070.77	6541987.12
	iii) Out Station (Road Centre)Cane	Qtls. 0.00	0.00
	iv) Out Station (Rail Centre)Cane	Qtls. 12647176.24	13570046.09
	v) Total	Qtls. 10718700.00	0.00
	(B) i) Cane Crush on C Molasses	Qtls. 1928476.24	0.00
	ii) Cane Crush on B Molasses	Qtls. 0.00	0.00
	(C) Total Raw Sugar Melted		
3	Juice & Added Water	120.25	121.65
	Average Gross Mixed juice % Cane	0.40	0.40
	Correction % Mixed juice	119.77	121.16
	Average Net Mixed juice % Cane	Qtls. 15,147,387.12	16,441,709.04
	Total Net Mixed juice	% Cane 47.01	48.49
	Average Added Water		
4	Sugar		
	Total sugar bagged	Nos. 2,861,920	3,189,300
	i) No. of bags a) 50 kg	Nos. 1,622	4,021
	b) 100 kg	Nos. 1,430,960	1,594,650
	=>White Sugar Bagged	Qtls. 1,622	4,021
	=>BISS Sugar(Brown)Bagged	Qtls. 1,215,280	0
	Sugar produced on Cane crush for C Molasses	Qtls. 217,302	0
	Sugar produced on Cane crush for B Molasses	Qtls. 1,432,582	1,598,671
	ii) Total Quantity Bagged	Qtls. 0	0
	Sugar in Process , if any	Qtls. 1,432,582	1,598,671
	Total Sugar made	Qtls. 0.0	0.0
	Sugar recovered from previous season's process	Qtls. 3669	323
	Sugar recovered from pre. season's remelt sugar	Qtls. 0	0
	Sugar Recovered from Raw Sugar	Qtls. 1428913	1598348
	Total net Sugar made		
5	Molasses/ SYRUP		
	Total Molasses sent out	Qtls. 599764	607693
	Molasses in process ,if any	Qtls. 0	0
	Total Molasses Produced	Qtls. 599764	607693
	Molasses recovered from previous season's process	Qtls. 0	0
	Molasses recovered from pre. season's remelt sugar	Qtls. 377	33
	Molasses Recovered from Raw Sugar	Qtls. 0	0
	Molasses produced - (C- Heavy Molasses)	Qtls. 458828	0
	Molasses produced - (B- Heavy Molasses)	Qtls. 140936	0
	Total net Molasses made	Qtls. 599387	607660
Total Qty Bagged includes 1,622 Qtls. Of BISS Sugar above 90 Pol. For this year			
Total Qty Bagged includes 4,021 Qtls. Of BISS Sugar above 90 Pol. For last year			

Page 2			11.35	11.78
6 Recovery			4.74	4.48
Average Recovery of sugar percent cane			4.28	
Average Production of final molasses percent cane/5 VRUP			7.31	
Average Production of C-Heavy molasses percent cane				25.84
Average Production of B-Heavy molasses percent cane			25.76	4.52
Average Recovery of sugar percent Raw Sugar			4.01	
Average Production of final molasses percent Raw Sugar				
7 Bagasse percent Cane			0.00	0.00
Filter cake percent cane			0.00	0.00
8 Stores used				
Fire wood percent cane	% Cane		0.00	0.00
a) Trial	% Cane		0.00	0.00
b) season	(Rice husk & saw dust)	% Cane	0.00	0.00
Other fuel percent cane	% Cane		0.00	24.43
a) Trial	% Cane		22.74	0.214
b) season	% Cane		0.137	0.021
Bagasse	a) Trial		0.014	0.076
	b) season		0.059	0.074
Lime Percent Cane	a) Process		0.058	0.008
	b) ETP		0.002	0.123
Sulphur Percent Cane	Kg. Per 100 Qtls. of Cane		0.121	0.059
Phosphoric Acid	Kg Per 100 Qtls. of Cane		0.058	0.020
Sub. of Phosphoric Acid	Ltrs. Per 100 Qtls. of Cane		0.023	0.000
Color Ppt	Ltrs. Per 100 Qtls. of Cane		0.000	0.000
Lubricants	Kg per 100 Qtls. of Cane		0.000	23.502
Grease	Nos. per 100 Qtls. of Cane		22.637	0.076
Gunny bags for sugar	Nos. per 100 Qtls. of Cane		0.072	0.023
Jute bags (50 Kg)	Nos. per 100 Qtls. of Cane		0.024	0.024
HDPE/ PP Bags(50 kg)	Kg per 100 Qtls. of Cane		0.022	0.029
Seed Slurry	Kg per 100 Qtls. of Cane		0.024	0.481
Bacteriocides Used in Mill House	Kg per 100 Qtls. of Cane		0.378	0.055
Bacteriocides Used in Boiling House	Kg per 100 Qtls. of Cane		0.044	0.022
Washing soda	Kg per 100 Qtls. of Cane		0.014	0.021
Caustic soda (Production)	Kg per 100 Qtls. of Cane		0.016	0.003
Caustic soda (EG & DMP)	Kg per 100 Qtls. of Cane		0.002	0.176
Viscosity reducer	Kg per 100 Qtls. of Cane		0.121	0.251
Flocculants	Kg per 100 Qtls. of Cane		0.250	
Antifoam	Kg per 100 Qtls. of Cane			
Common salt	Kg per 100 Qtls. of Cane			
Hydrochloric Acid	Kg per 100 Qtls. of Cane			
10 Analysis			13.26	13.53
Cane	Sugar percent		12.88	12.93
	Fibre percent		15.79	16.12
	Sugar percent		18.81	19.07
Primary juice	Brix percent		83.97	84.53
	Purity		10.76	10.86
Mixed juice	Sugar percent		13.05	13.08
	Brix percent		82.48	83.03
	Purity		1.15	1.17
Last Express juice	Sugar percent		1.57	1.57
	Brix percent		73.56	74.10
	Purity		10.85	10.97
Clarified juice	Sugar percent		13.15	13.20
	Brix percent		82.56	83.11
	Purity		8.25	7.88
Filtered juice	Sugar percent		11.31	10.51
	Brix percent		72.98	75.00
	Purity		52.29	50.34
Unsulphured Syrup	Sugar percent		63.86	61.19
	Brix percent		81.88	82.27
	Purity		51.80	49.90
Sulphured Syrup	Sugar percent		63.40	60.79
	Brix percent		81.71	82.09
	Purity			

Masseccuite	Brix percent	93.79	93.95
Masseccuite -A	Purity	87.71	87.49
Masseccuite -A1	Brix percent	94.63	0.00
	Purity	81.28	0.00
Masseccuite -B	Brix percent	96.72	96.74
	Purity	72.93	74.38
Masseccuite -C	Brix percent	101.68	101.74
	Purity	48.28	51.15
Masseccuite -C1	Brix percent	98.91	99.28
	Purity	65.01	61.70
Masseccuite -R1	Brix percent	0.00	0.00
	Purity	0.00	0.00
Masseccuite -R2	Brix percent	0.00	0.00
	Purity	0.00	0.00
Molasses	Brix percent	84.48	84.70
A - Heavy	Purity	74.84	76.22
A1 - Heavy	Brix percent	85.79	0.00
	Purity	64.39	0.00
A - Light	Brix percent	69.69	69.72
	Purity	93.31	93.56
B - Heavy	Brix percent	85.54	86.44
	Purity	48.52	55.16
C1 - Heavy	Brix percent	93.52	93.66
	Purity	45.28	41.93
C - Light	Brix percent	81.21	80.74
	Purity	69.86	68.55
R1 - Heavy	Brix percent	0.00	0.00
	Purity	0.00	0.00
R1 - Light	Brix percent	0.00	0.00
	Purity	0.00	0.00
Sugar	Sugar percent	99.90	99.90
White Sugar (Bagged)	Moisture percent	0.03	0.03
Final Molasses	Sugar percent	31.31	28.01
	Brix percent	88.90	89.62
	Purity	35.22	31.26
Bagasse	Sugar percent	1.37	1.37
	Moisture percent	49.99	49.97
	Fibre percent	48.14	48.18
Filter cake	Sugar percent	1.67	2.29
Clear juice	pH	6.96	6.99
	Temperature (0c)	105.94	106.04
11 Mill Extraction, Boiling House Extraction & Overall Extraction		97.23	97.28
Mill Extraction		97.33	97.39
Reduced Mill Extraction		87.46	89.30
Boiling House Extraction		89.59	90.76
Reduced Boiling House Extraction		85.22	87.05
Overall Extraction		87.19	88.39
Reduced Overall Extraction			
12 Sugar Balance		13.26	13.53
Sugar in Cane		12.89	13.16
Sugar in Mixed Juice		0.37	0.37
Sugar in Bagasse		0.07	0.09
Sugar in Filter Cake		1.48	1.25
Sugar in Final Molasses/SYRUP		11.29	11.77
Sugar in sugar		0.05	0.05
Sugar undetermined		1.97	1.76
Total Losses (in Bagasse, Filter cake, Molasses & Undetermined)			

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

(Sanjay Singhal)
A.G.M. (Q.C)

(Devendra Singh)
Sr.D.G.M.(Cane)

(Vijay Pal Singh)
Sr.D.G.M.(Engg.)

(Rakesh Verma)
D.G.M.(Prod.)

(R. S. Chaudhary)
Vice President

Signature of the owner or person authorised

Date :

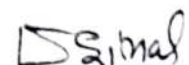
- (a) Outstation cane is the cane weighed and purchased at a centre other than at the factory gate.
 (b) For carbonation factories only.
 (c) In case of 3 masseccuite system, brix and purities of C heavy and D light molasses are not to be given
 (d) Sugar means 'Direct Pol'.
 (e) Bagasse percent cane = 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

Bajaj Hindusthan Sugar Limited, Budhana
 ADDITIONAL INFORMATION ALONG WITH FINAL MANUFACTURING REPORT

PARTICULARS			This Season 2021-22	Last Season 2020-21	
1	Still Extraction		97.23	97.28	
2	Reduced Mill Extraction				
	a) Deerr		97.33	97.39	
	b) Mittal		97.32	97.37	
3	Whole reduced Extraction (Mittal)		97.15	97.16	
4	Boiling House Extraction		87.46	89.30	
5	Reduced Boiling House Extraction				
	a) Gundu Rao		89.42	90.58	
	b) Noel Deer		89.59	90.76	
6	Overall Extraction		85.22	87.05	
7	Reduced Overall Extraction				
	a) Gundu Rao		86.88	88.00	
	b) Noel Deer		87.19	88.39	
8	Virtual purity of final molasses		37.11	34.36	
9	Undiluted juice lost in bagasse % fibre		20.57	20.14	
10	Added water extracted in mixed juice % added water		78.01	78.39	
11	Added water % fibre		364.88	374.94	
12	DMF		72.76	72.67	
13	Crush rate per 24 hours				
	a) Including Stoppage		77,635	74,766	
	b) Excluding stoppage		82,342	76,623	
	d) Sanction Capacity (T.C.D.)		9,000	9,000	
14	Total Time lost % available		5.72	2.42	
15	Steam consumption % cane		47.57	52.83	
16	E.R.Q.V.				
	a) M.J./ P.J.		97.31	97.32	
	b) L.M.J./ P.J.		81.21	81.35	
17	Masseccuite % Cane				
	a) A- Masseccuite		24.59	26.02	
	b) A1- Masseccuite		0.53	0.00	
	c) B- Masseccuite		12.69	13.69	
	d) C- Masseccuite		5.12	6.69	
	e) C1- Masseccuite		3.82	4.20	
	f) R1- Masseccuite		0.00	0.00	
	g) R2- Masseccuite		0.00	0.00	
	Total Masseccuite %		46.75	50.59	
18	Gradewise sugar production (Qtls.)				
		2021-22	2020-21		
	ISS GRADE	QUANTITY	%ge	QUANTITY	%ge
	L-31	297,860	20.79	279,410	17.48
	M-31	1,131,190	78.96	1,313,290	82.15
	S-31	0	0.00	0	0.00
	SS-31	0	0.00	0	0.00
	L-30	400	0.03	550	0.03
	M-30	1,510	0.11	1,400	0.09
	S-30	0	0.00	0	0.00
	M-29	0	0.00	0	0.00
	S-29	0	0.00	0	0.00
	BISS	1,622	0.11	4,021	0.25
	TOTAL	1,432,582	100.00	1,598,671	100.00

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

 (Sanjay Singhal)
 A.G.M. (Q.C.)

 (Devendra Singh)
 Sr.D.G.M. (Cane)

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 (Rakesh Verma)
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 (R. S. Chaudhary)
 Vice President

Signature of the owner or person authorised