

# KICHHA SUGAR COMPANY LIMITED



KICHHA - 263148

DISTT. UDHAM SINGH NAGAR (UTTARAKHAND)

**(UTTARAKHAND GOVERNMENT UNDERTAKING)**

**Regd. Office:**

KICHHA, DISTT. UDHAM SINGH NAGAR

**FINAL MANUFACTURING REPORT**

R.T.8©

**Season: 2022 - 23**

**KICHHA SUGAR COMPANY LIMITED**  
**KICHHA (U.S.NAGAR)**

Ref. No. Mfg./R.T.8(c)/Kichha/120 —

Dated: 21-4-23

**Secretary,  
Sugar Industries & Cane Development  
Uttarakhand Govt.  
Dehradun.**

Sir,

Final Manufacturing Report of this factory for the season 2022-23 in form R.T.8(C) is enclosed for your kind information please.

Encl: As above.

Yours faithfully,

(Trilok Singh)  
P.C.S

Executive Director

**Copy for favour of Information is forwarded to:**

1. Chief Director, Directorate of Sugar, Ministry of food & Civil Supplies, Krishi Bhawan, New Delhi.
2. Cane Commissioner, Uttarakhand, Kashipur (Udham Singh Nagar).
3. Excise Commissioner & Controller of Molasses, Dehradun.
4. Collector, Central Excise, Meerut.
5. Director, National Sugar Institute, Kalyanpur (Kanpur).
6. Managing Director, National federation of co-op. Sugar factories, Vaikunth (3<sup>rd</sup> floor) Nehru place, New Delhi-19.
7. District Magistrate, Udham Singh Nagar (Uttarakhand).
8. General Manager, Uttarakhand Sugars Badripur (near railway crossing), Jogi wala Dehradun (Uttarakhand)
9. Joint Cane Commissioner, Ganna Kisan Sansthan, Kashipur (Udham Singh Nagar).
10. Asstt. Cane Commissioner, Udham Singh Nagar.
11. Chemical Examiner, Central Excise Revenue control Lab. Hill side Road, New Delhi.
12. Asstt. Collector, Central Excise, Rampur.
13. Superintendent, Central Excise, Rudrapur.
14. Resident Inspector, Central Excise, Rudrapur.
15. Inspector, Uttarakhand Excise, camp. Kichha Chini Mill, Kichha.
16. Director, Economics & Statistics, Directorate of Economics & Statistics, Krishi Bhawan, New Delhi.
17. Secretary, Indian Sugar Mill Association, Sugar House, 39 Nehru place, New Delhi.
18. Secretary West UP Sugar Mill Association, 14, Thiyamya Road, Lucknow Cantt.
19. Internal Auditor, Kichha Sugar Company Limited, Kichha.
20. General Manager, Bazpur/Sitarganj/Gadrapur/Nadehi.
21. Executive Director, Doiwala Sugar Co. Ltd., Doiwala (Dehradun).
22. All Head of Deptt. /Sectional Heads.

Executive Director

**FINAL MANUFACTURING REPORT FOR SEASON 2022-23**

Rule (83)

Name &amp; address of factory : KICHHA SUGAR CO. LTD., KICHHA (U.S.NAGAR)

Regd. No. of factory : I.V.P. Sugar/74

Clarification process used : Double Sulphitation

S. No.	PARTICULARS	THIS SEASON 2022 - 2023	LAST SEASON 2021 - 2022
1	2	3	4
<b>1.</b>	<b>TIME ACCOUNT</b>		
	Date of Start	22-11-2022 at 12:00 PM	27-11-2021 at 8:00 AM
	Date of Closure	31-03-2023 at 2:20 AM	06-04-2022 at 2:00 PM
	Gross Season (Days) (f)	130	131
	Duration of Season (Days) (f)	127	119
	Total Hours Actual Crushing	2785.20	2629-00
	Total Hours Lost	325.00	473-00
	i Cane Shortage	31.00	96-30
	ii Electrical+ Mech.	103.30	80-30
	iii Bad Weather	24.00	130-00
	iv Process	-	-
	v Miscellaneous	66-00	76-00
	vi General Cleaning	100-30	90-00
<b>2.</b>	<b>CANE CRUSHED</b>		
	i Own Estate Cane	-	-
	ii Gate Cane	1669221.34	1556357.76
	iii Out Station Cane (a)	-	-
	Rail	-	-
	Other than Rail Cane (Centre Cane)	2521688.30	2361124.19
	iv Total	4190909.64	3917481.95
<b>3.</b>	<b>JUICE ADDED WATER</b>		
	Average Gross Mixed Juice percent cane	97.95	102.97
	Correction % Mixed Juice	0.30	0.30
	Average Net Mixed Juice percent cane	97.65	102.67
	Total Net Mixed Juice obtained (Quintal)	4092615	4022002.42
	Average Added Water Percent Cane	29.55	32.94
<b>4.</b>	<b>SUGARS</b>		
	Total Sugar Bagged		
	i No. of Bags (In 50Kg. Bags)	868774	811522
	ii Quantity (Quintals)	*434387	**405761
	Sugars in Process, if any	436	269
	Total Sugar Made	434823	406030
	Sugar recovered from previous season's process	190	102
	Sugar from pre season's remelted sugar or other sources	161	232
	Total Net Sugar Made	434472	405696

\*This includes Qtls. 3970 Brown Sugar above 90 pol. &amp; 177 Qtls. Rori &amp; powder Sugar of season 2022-23.

\*\*This includes Qtls. 2990 Brown Sugar above 90 pol. &amp; 161 Qtls. Rori &amp; powder Sugar of season 2021-22.

(2)

1	2	3	4
<b>5.</b>	<b>MOLASSES</b>		
	Total Molasses sent out (Quintals)	185930	165876
	Molasses in process, if any	370	228
	Total Molasses Produced	186300	166104
	Molasses Recovered from Previous season's process	560	300
	Molasses from Previous season's remelted Sugar or other sources	-	01
	Total Net Molasses Produced	185740	165803
<b>6.</b>	<b>RECOVERY</b>		
	Average Recovery of Sugar Percent cane	10.37	10.36
	Average Production of Final molasses percent cane	4.43	4.23
<b>7.</b>	<b>BAGASSE PERCENT CANE(e)</b>	31.61	29.69
<b>8.</b>	<b>FILTER CAKE PERCENT CANE</b>	2.90	2.80
<b>9.</b>	<b>STORES USED</b>	-	-
	Coal percent cane	-	-
	i Trial	-	-
	ii Season	-	-
	Firewood percent cane	-	-
	i Trial	-	-
	ii Season	-	-
	Other Fuel percent cane	-	-
	i Trial	-	-
	ii Season	-	-
	For Previous Off Season	-	-
	Coal	-	-
	Firewood	-	-
	Lime percent Cane (E.T.P + Process)	0.198	0.194
	Lime stone (b) percent cane	-	-
	Coke (b) percent cane	-	-
	Sulphur percent cane	0.052	0.051
	Lubricants (oil & Grease) Kg per 100 Quintals Cane	0.76	0.70
	Filter cloth Sq meters per 100 Quintals Cane		
	Filter Bags number, per 100 Quintals Cane		
	PP bags for Sugar , in terms of 100 Kg. no. per 100 Quintals cane	10.37	10.36
	Washing Soda, Kgs. Per 100 Quintals cane	0.037	
	Caustic Soda, Kgs. Per 100 Quintals cane	0.65	0.83
	Superphosphate (for Juice clarification) per 100 Quintals Cane	-	-
	( Mention variety) Single, Double or Triple	-	

(3)


1	2	3	4
	Hydros Kg. Per 100 Quintals Cane	-	0.002
	Ammonia base compound 50 % / Carbonate base compound 40% Kg. per 100 Quintals Cane	0.040	-
	Ammonium Bi Fluoride Kg. per 100 Quintals Cane	0.02	-
	Phosphoric Acid Kg. per 100 Quintals Cane	-	-
10.	Analysis (d)		
	Cane Sugar percent	12.44	12.29
	Fibre percent	14.57	13.97
	Primary juice Sugar percent	14.90	15.11
	Brix percent	18.46	18.66
	Purity	80.72	80.98
	Mixed juice Sugar percent	11.93	11.36
	Brix percent	15.04	14.29
	Purity	79.32	79.50
	Last Mill juice Sugar percent	2.36	1.88
	Brix percent	3.34	2.60
	Purity	70.66	72.31
	Clarified juice Sugar percent	11.90	11.23
	Brix percent	14.90	14.02
	Purity	79.87	80.10
	Filter press juice Sugar percent	-	-
	Brix percent	-	-
	Purity	-	-
	Unsulphured juice Sugar percent	45.94	45.34
	Brix percent	57.42	56.49
	Purity	80.01	80.26
	Sulphured juice Sugar percent	45.22	44.79
	Brix percent	56.55	55.73
	Purity	80.12	80.37
	Massecuite A Brix percent	94.25	94.07
	Purity	84.57	84.59
	Massecuite B Brix percent	97.28	96.94
	Purity	71.27	70.70
	Massecuite C Brix percent	101.33	101.61
	Purity	51.90	51.60
	Massecuite D Brix Percent	-	-
	Purity	-	-

(4)

1	2	3	4
	<b>MOLASSES (c)</b>		
	A – Heavy Brix percent	86.03	84.48
	Purity	71.49	71.29
	A- Light Brix percent	72.27	71.86
	Purity	93.09	93.58
	B- Heavy Brix percent	90.88	89.46
	Purity	51.42	50.01
	C-Heavy Brix Percent	-	-
	Purity	-	-
	C-Light Brix percent	86.01	85.28
	Purity	65.10	63.04
	<b>SUGAR (AVERAGE)</b>		
	(i) White Sugar bagged Sugar percent(d)	99.95	99.96
	Moisture percent	0.02	0.02
	(ii) Raw Sugar Pol percent	-	-
	Moisture percent	-	-
	Reducing sugar percent	-	-
	Ash percent	-	-
	Final Molasses Sugar percent	25.28	26.71
	Brix percent	87.23	92.29
	Purity	28.98	28.94
	Bagasse Sugar percent	2.49	2.12
	Water percent	50.42	50.00
	Fibre percent	46.08	47.07
	Filter cake Sugar percent	1.87	1.89
	Lime Kiln Gas CO2 percent		
	Boiler feed water	98°C	98°C
	pH	9.1	8.9
	Clear Juice Temperature	106°C	100°C
11.	<b>MILL EXTRACTION , BOILING HOUSE EXTRACTION AND OVERALL EXTRACTION</b>		
	Mill Extraction	93.65	94.87
	Reduced Mill Extraction	94.68	95.49
	Boiling House Extraction	89.01	88.76
	Reduced Boiling House Extraction	92.56	92.30
	Overall Extraction	83.36	84.30
	Reduced Overall Extraction	87.64	88.14
	Clarification Efficiency	4.62	4.78

1	2	3	4
12.	<b>SUGAR BALANCE</b>		
	1. Sugar in Cane	12.44	12.29
	2. Sugar in mixed juice	11.65	11.66
	3. Sugar in bagasse	0.79	0.63
	4. Sugar in filter cake	0.05	0.05
	5. Sugar in molasses	1.12	1.13
	6. Sugar in sugars	10.36	10.35
	7. Sugar in undermined	0.11	0.13
	8. Total losses (in bagasse , filter cake, molasses & undermined)	2.07	1.94
13.	<b>AREA AND YIELD OF CANE IN FACTORY FARM</b>		
	Total Area of Farm (Hectare)	11.753	11.753
	Area under Cane (Hectare)	11.200	11.200
	Production of Cane (Quintals)	15400	15500
	Average yield per Hectare Quintals	1318 Qtls/Hect.	1384 Qtls/Hect.
	Average		
	<b>Variety</b>		
	A. Plant	CO15023, CO0238, Co0118	Co 0238
	B. Adsale	-	-
	C. Ratoon	Co 0238	Co 0238

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

  
(Saket Singh)  
I/c Lab. Incharge

  
(Rishi Pal Singh)  
I/c Cane Manager

  
(D.C. Pandey)  
I/c Chief Engineer

  
(S.K. Mishra)  
Chief Chemist

  
(Trilok Singh), PCS  
Executive Director

Signature of the owner Person Authorized

Date:

Notes:

1. Outstation cane is the cane weighed and purchased at a centre other than are the factory Gate.
2. For Sulphitation factories only
3. In case of 3 Masseccutes system the brix and purities of C heavy and D Light molasses are not to given.
4. Sugar means Direct Pol.
5. Bagasse % Cane = 100 plus added water % Cane.
6. Gross season means the total number of days from the date of start to the date close both days inclusive.
7. 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 to authorities specified below so as to reach than not later thirty days after the date on which working season closes.

Copies to:

1. Central Excise authority concerned.
2. Directorate of Sugar and Vanaspati.
3. National Sugar Institute, Kanpur.
4. Directorate of Economics and Statistics.