

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: 2024 – 25



KICHHA SUGAR COMPANY LIMITED

KICHHA (U.S.NAGAR)

Ref. No. :- 2462/Mfg./R.T.8(c)/Kichha/2024-25

Dated:- 20-03-2025

To,

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

Sir,

Final Manufacturing Report of this factory for the season 2024-25 in form R.T.8(C) is enclosed for your kind information please.

Encl: As above.

Yours faithfully,

(Trilok Singh Martolia)
(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. District Magistrate, Udham Singh Nagar (Uttarakhand).
3. Cane Commissioner, Uttarakhand, Kashipur (Udham Singh Nagar).
4. Excise Commissioner & Controller of Molasses, Dehradun.
5. Asstt. Commissioner, Central Excise, Meerut.
6. Director, National Sugar Institute, Kalyanpur (Kanpur).
7. Managing Director, National federation of co-op. Sugar factories, Vaikunth (3rd floor) Nehru place, New Delhi-19.
8. Managing Director, 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. Commissioner, Central Excise, Rampur.
13. Superintendent, Central Excise, Rudrapur.
14. Inspector, Uttarakhand Excise, camp. Kichha Chini Mill, Kichha.
15. Director, Economics & Statistics, Directorate of Economics & Statistics, Krishi Bhawan, New Delhi.
16. Secretary, Indian Sugar Mill Association, Sugar House, 39 Nehru place, New Delhi.
17. Secretary West UP Sugar Mill Association, 14, Thiyamya Road, Lucknow Cantt.
18. Internal Auditor, Kichha Sugar Company Limited, Kichha.
19. General Manager, Bazpur/ Nadehi.
20. Executive Director, Doiwala Sugar Co. Ltd., Doiwala (Dehradun).
21. All Head of Deptt. /Sectional Heads, Sugar Mill Kichha.

Executive Director



FINAL MANUFACTURING REPORT FOR SEASON 2024-25

Rule (83)

Name & 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 2024 - 2025	LAST SEASON 2023 - 2024
1	2	3	4
1.	TIME ACCOUNT		
	Date of Start	20.11.2024 at 11:40 PM	08.12.2023 at 11:00 PM
	Date of Closure	26.02.2025 at 03:35 AM	18.03.2024 at 05:15 AM
	Gross Season (Days) (f)	98	101
	Duration of Season (Days) (f)	90	94
	Total Hours Actual Crushing	2148.45	2064.15
	Total Hours Lost	185.10	341.30
	i Cane Shortage	52.45	47.00
	ii Electrical+ Mech.	28.30	127.20
	iii Bad Weather	-	26.00
	iv Process	-	-
	v Miscellaneous	3.30	21.00
	vi General Cleaning	100.25	120.10
2.	CANE CRUSHED		
	i Own Estate Cane	-	-
	ii Gate Cane	1275999.64	1150704.99
	iii Out Station Cane (a)	-	-
	Rail	-	-
	Other than Rail Cane (Centre Cane)	1813893.06	1857955.52
	iv Total	3089892.70	3008660.51
3.	JUICE ADDED WATER		
	Average Gross Mixed Juice percent cane	102.52	102.10
	Correction % Mixed Juice	0.30	0.30
	Average Net Mixed Juice percent cane	102.22	101.80
	Total Net Mixed Juice obtained (Quintal)	3158120.80	3062753
	Average Added Water Percent Cane	32.75	32.02
4.	SUGARS		
	Total Sugar Bagged		
	i No. of Bags (In 50Kg. Bags)	616102	651990
	ii Quantity (Quintals)	308051*	325995**
	Sugars in Process, if any	100	140
	Total Sugar Made	308151	326135
	Sugar recovered from previous season's process (Rori)	170	308
	Sugar from pre season's remelted sugar or other sources (Scrap)	124	168
	Total Net Sugar Made	307857	325659

*This includes 3450 Qtls. Brown Sugar above 90 pol. & 81 Qtls. Rori & powder Sugar of season 2024-25.

**This includes 3290 Qtls. Brown Sugar above 90 pol. & 175 Qtls. Rori & powder Sugar of season 2023-24.



(2)

1	2	3	4
5.	MOLASSES		
	Total Molasses sent out (Quintals)	140360	123900
	Molasses in process, if any	130	177
	Total Molasses Produced	140490	124077
	Molasses Recovered from Previous season's process	205	349
	Molasses from Previous season's remelted Sugar or other sources	-	-
	Total Net Molasses Produced	140285	123728
6.	RECOVERY		
	Average Recovery of Sugar Percent cane	9.96	10.82
	Average Production of Final molasses percent cane	4.54	4.11
7.	BAGASSE PERCENT CANE(e)	30.24	29.91
8.	FILTER CAKE PERCENT CANE	3.00	3.00
9.	STORES USED	-	-
	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	0.008	-
	Lime percent Cane (E.T.P + Process)	0.20	0.198
	Lime stone (b) percent cane	-	-
	Coke (b) percent cane	-	-
	Sulphur percent cane	0.057	0.052
	Lubricants (oil & Grease) Kg per 100 Quintals Cane	0.472	0.885
	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	9.96	10.82
	Washing Soda, Kgs. Per 100 Quintals cane	0.05	0.049
	Caustic Soda, Kgs. Per 100 Quintals cane	0.85	0.80
	Superphosphate (for Juice clarification) per 100 Quintals Cane	-	-
	(Mention variety) Single, Double or Triple	-	-



1	2	3	4
	Hydros Kg. Per 100 Quintals Cane	0.06	-
	Ammonia base compound 50 % / Carbonate base compound 40% Kg. per 100 Quintals Cane	0.051	0.038
	Ammonium Bi Fluoride Kg. per 100 Quintals Cane	0.033	0.019
	Phosphoric Acid Kg. per 100 Quintals Cane	-	-
10.	Analysis (d)		
	Cane Sugar percent	12.10	12.87
	Fibre percent	13.99	13.83
	Primary juice Sugar percent	14.30	14.94
	Brix percent	18.16	18.58
	Purity	78.74	80.41
	Mixed juice Sugar percent	11.13	11.91
	Brix percent	14.39	15.03
	Purity	77.35	79.24
	Last Mill juice Sugar percent	1.82	2.50
	Brix percent	2.63	3.50
	Purity	69.20	71.43
	Clarified juice Sugar percent	11.27	11.83
	Brix percent	14.46	14.83
	Purity	77.94	79.77
	Filter press juice Sugar percent	-	-
	Brix percent	-	-
	Purity	-	-
	Unsulphured juice Sugar percent	44.08	44.93
	Brix percent	56.46	56.15
	Purity	78.07	80.02
	Sulphured juice Sugar percent	43.57	44.41
	Brix percent	55.72	55.36
	Purity	78.20	80.22
	Masseccuite A Brix percent	94.25	94.29
	Purity	84.44	84.46
	Masseccuite B Brix percent	97.24	97.13
	Purity	70.68	71.30
	Masseccuite C Brix percent	102.13	101.76
	Purity	51.95	51.84
	Masseccuite D Brix Percent	-	-
	Purity	-	-

(4)

1	2	3	4
	MOLASSES (c)		
	A – Heavy Brix percent	85.46	84.05
	Purity	71.50	71.67
	A- Light Brix percent	69.56	64.59
	Purity	87.67	86.02
	B- Heavy Brix percent	90.16	88.50
	Purity	50.76	51.47
	C-Heavy Brix Percent	-	-
	Purity	-	-
	C-Light Brix percent	85.15	83.04
	Purity	66.78	66.55
	SUGAR (AVERAGE)		
	(i) White Sugar bagged Sugar percent(d)	99.90	99.90
	Moisture percent	0.02	0.02
	(ii) Raw Sugar Pol percent	-	-
	Moisture percent	-	-
	Reducing sugar percent	-	-
	Ash percent	-	-
	Final Molasses Sugar percent	27.64	27.06
	Brix percent	95.67	93.71
	Purity	28.89	28.87
	Bagasse Sugar percent	2.38	2.50
	Water percent	50.21	50.31
	Fibre percent	46.27	46.22
	Filter cake Sugar percent	1.87	1.92
	Lime Kiln Gas CO2 percent	-	-
	Boiler feed water	98°C	98°C
	pH	9.1	9.1
	Clear Juice Temperature	108°C	108°C
11.	MILL EXTRACTION, BOILING HOUSE EXTRACTION AND OVERALL EXTRACTION		
	Mill Extraction	94.05	94.17
	Reduced Mill Extraction	94.79	94.81
	Boiling House Extraction	87.46	89.27
	Reduced Boiling House Extraction	92.44	92.77
	Overall Extraction	82.26	84.06
	Reduced Overall Extraction	87.62	87.95
	Clarification Efficiency	4.07	4.12
12.	A) Capacity Utilization Including Stoppage/24 Hrs	79.43	75.05
	B) Capacity Utilization Excluding Stoppage/24 Hrs	86.28	87.45



1	2	3	4
13.	SUGAR BALANCE		
	1. Sugar in Cane	12.10	12.87
	2. Sugar in mixed juice	11.38	12.12
	3. Sugar in bagasse	0.72	0.75
	4. Sugar in filter cake	0.06	0.06
	5. Sugar in molasses	1.25	1.11
	6. Sugar in sugars	9.95	10.81
	7. Sugar in undermined	0.12	0.14
	8. Total losses (in bagasse, filter cake, molasses & undermined)	2.15	2.06
14.	AREA AND YIELD OF CANE IN FACTORY FARM		
	Total Area of Farm (Hectare)	12.000	11.753
	Area under Cane (Hectare)	11.700	11.753
	Production of Cane (Quintals)	7275.00	7050.95
	Average yield per Hectare Quintals	750.00	600.00
	Average		
	Variety A. Plant	CO-5009	CO-15023
	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.


(Bhim Singh)
Lab. Incharge


(Rishi Pal Singh)
Cane Manager


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


(A.K. Pal)
I/c Chief Chemist


(Trilok Singh Martolia), PCS
Executive Director

Signature of the owner Person Authorized

Date: 19/03/2025

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 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.

Additional Information of Crushing Season 2024-25

A- Quality of Sugar Production

S. N.	Sugar Grade	Sugar Production (Qtls)	% age of Total Sugar Produced
1	M-30	271850	89.27
2	S-30	32670	10.73
3	M-29	-	-
4	S-29	-	-
5	Total	304520	100.00
	Brown Sugar	3450	-

B- Mill Efficiencies

S.N.	Particulars	This Season 2024-25	Last Season 2023-24
1	Mill Extraction	94.05	94.17
2	Reduced Mill Extraction Noel Deer Mittal	94.79 94.85	94.81 94.58
3	Boiling House Extraction	87.46	89.27
4	RBH Extraction Gundu Rao Noel Deer	91.97 92.44	93.24 92.77
5	Overall Extraction	82.26	84.06
6	Reduced Overall Extraction Gundu Rao Noel Deer	89.72 87.62	88.19 87.95
7	Added Water % Fiber	234.10	231.45
8	Java Ratio	84.62	
9	Undiluted Juice Lost in Bagasse % Fiber	40.82	40.99
10	Virtual Purity of Final Molasses	29.98	29.05
11	Added Water Extracted in MJ% Cane	64.79	60.74
12	Clarification Efficiency	4.07	4.12
13	E.R.Q.V. A- MJ/PJ B- LMJ/PJ	97.21 80.86	97.73 82.58
14	Undiluted Juice in MJ% Cane	80.99	82.35
15	CRUSHING AVERAGE		
	Including Stoppage / 24 Hrs	31774	30015
	Excluding Stoppage / 22 Hrs	31636	32065
	Excluding Stoppage / 24 Hrs	34512	34980
16	CAPACITY UTILIZATION		
	Including Stoppage / 24 Hrs	79.44	75.05
	Excluding Stoppage / 22 Hrs	79.09	80.16
	Excluding Stoppage / 24 Hrs	86.28	87.45