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DOIWALA SUGAR CO. LTD.

DOIWALA

(A Undertaking of Uttarakhand Govt.)



Regd. Office.
Doiwala , Distt.- Dehradun (U.K.)

FINAL MANUFACTURING

REPORT

R.T. 8 (C)

Season 2023-24

DOIWALA SUGAR COMPANY LIMITED, DOIWALA (DEHRADUN)

DSCL / 884

DATED: 30/03/2024

Secretary,
Sugar Industries & Cane Development
Uttarakhand Govt.
Dehradun

Dear Sir,

We are submitting herewith our Final Manufacturing Report R.T. 8 (C) for the season 2023-24 for your kind information and necessary record please.

Yours faithfully,

[Signature]
30/03/2024
Dinesh Pratap Singh
P.C.S
EXECUTIVE DIRECTOR

Copy of the above is forwarded to the following for information and necessary action

- 1- Chief Secretary Uttarakhand Govt. Dehradun.
- 2- Principal Secretary, Cane Development & Sugar Industries, Uttarakhand Secretariat, Dehradun.
- 3- Managing Director Uttarakhand Coop. Sugar Factories Fed. Ltd. Badripur, Near Railway Crossing Jogiwala D.Dun
- 4- Managing Director, U.P. State Sugar Corporation Ltd. Lucknow.
- 5- Additional Secretary, Village & Sugar Industry, Uttarakhand Govt. Dehradun.
- 6- Cane Commissioner, Uttarakhand. Government, Kashipur, Udham Singh Nagar (U.K.)
- 7- Additional Secretary, Sugar & Cane Development, Dehradun.
- 8- Joint Commissioner, Cane & Sugar, Kashipur, Udham Singh Nagar.
- 9- Chief Director (Sugar) Directorate of Sugar Krishi Bhawan, New Delhi.
- 10- Director National Sugar Institute, Kanpur.
- 11- Director, General Indian Sugar Mills Asso., Ansal Plaza, C-Block, II Floor, August Kranti Marg, New Delhi.
- 12- Secretary, U.P. Sugar Mills Association, Ansal Plaza, C-Block, II Floor, August Kranti Marg, New Delhi.
- 13- Secretary General A.S.T.A. India Ansal Plaza, C-Block, II Floor, August Kranti Marg, New Delhi.
- 14- Sugar Cane Inspector & Assistant Sugar Commissioner (Uttarakhand) Haldwani/Bareilly.
- 15- Excise Commissioner & Controller of Molasses, Uttarakhand, Dehradun.
- 16- Superintendent Central Excise, Dehradun.
- 17- Assistant Commissioner Central Excise, Central Zone, Dehradun.
- 18- Inspector Central Excise, Dehradun.
- 19- District Excise Office, Dehradun.
- 20- Inspector State, Excise, Dehradun.
- 21- Member Secretary U.K. Pollution Control Board, Dehradun.
- 22- Regional Officer Pollution Control Board, Dehradun.
- 23- General Manager/Executive Director, Nadehi/ Bazpur/ Kichha Sugar Mill
- 24- Maha Prabandhak, Uttarakhand Sugars, Badripur, Near Railway Crossing, Jogiwala D.Dun.
- 25- Joint Director, Environment & Forest Ministry, Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow.
- 26- Director, MOEF, CGO Complex, Lodhi Road, New Delhi.
- 27- General Manager, Sugar mill Laksar/ Iqbalpur/ Libberheri, Haridwar. (U.K.)
- 28- All Departmental Heads, Doiwala Sugar Company Ltd., Doiwala (Dehradun).

[Signature]
30/03/2024
Dinesh Pratap Singh
P.C.S
EXECUTIVE DIRECTOR

FORM - R.T. 8 (C)

Central Excise Series No. 76

FINAL MANUFACTURING REPORT FOR THE SEASON 2022-23²⁰²³⁻²⁴

RULE- 83

Name & Address of Factory
Registered No. of Factory
Clarification Process used

Doiwala Sugar Company Ltd., Doiwala D.dun.
DDN-13
Double Sulphitation

S.N.	Particulars	This Year 2023-24	Last Year 2022-23
1-	TIME ACCOUNT		
	Date of Start	24.11.2023 at 08 P.M.	27.11.2022 at 10 A.M.
	Date of Finish	08.03.2024 at 1:30 A.M.	16.04.2023 at 06 A.M.
	Duration of Season (Days)	105	140
	Total Days actual crushing	107	145
	Total hours actual crushing	2501-30	3191-30
	Total hours lost	157-00	164-30
	i) Cane Shortage	41-00	16-00
	ii) Mechanical+Electrical	35-00	45-40
	iii) General Cleaning	40-00	95-00
	iv) Process	-	-
	v) Bad Weather	39-00	-
	vi) Misc.	2-00	7-50
2-	CANE CRUSHED		
	i) Own Estate Cane (Qtls)	-	-
	ii) Gate Cane	953055.36	1225583.54
	iii) Out Station Cane	1282436.71	1903161.15
	iv) Rail Cane	-	-
	v) Total	2235492.07	3128744.69
3-	JUICE & ADDED WATER:		
	Total net mixed juice obtained (Qtls)	2259489.88	3201733.66
	Average gross mixed juice% cane	101.40	102.64
	Dirt Correction% mixed juice	0.321	0.300
	Avg. net mixed juice % cane	101.07	102.33
	Avg. added water percent cane	33.60	34.86
4-	SUGAR:		
	Number of Sugar Bags (50 Kg)	425360	625430
	Quantity of Sugar (Qtls)	*212680.00	** 312715.00
	Sugar in process if any (Qtls)	(+)320.00	(+) 678.00
	Total Sugar made (Qtls)	213000.00	313393.00
	Sugar recovered from previous season's process (Qtls)	(-) 593.00	(-) 633.00
	Sugar recovered from previous season's Brown Sugar (Qtls)	-	-
	Sugar recovered from previous season's BISS or Sugar from other sources (Qtls)	(-) 486.00	(-) 3151.00
	Total net Sugar made (Qtls)	211921.00	309609.00

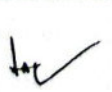
* This includes 4125 Qtls of Brown Sugar of above 90.20° Pol & 25 Qtls. Rorl Sugar.

** This includes 3805 Qtls of Brown Sugar of above 90.20° Pol

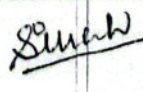
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S.N.	Particulars	This Year 2023-24	Last Year 2022-23
5-	MOLASSES:		
	Total Molasses sent out (Qtls)	95300.00	143300.00
	Molasses in process if any (Qtls)	(+) 242.00	(+) 393.00
	Total Molasses produced (Qtls)	95542.00	143693.00
	Mol. recovered from Previous season's process (Qtls)	(-) 494.00	(-) 537.00
	Molasses recovered from previous season's Brown Sugar or from Remelting (Qtls)	-	-
	Molasses recovered from Remelted sugar or other sources (BISS) (Qtls)	(-) 28.00	(-) 179.00
	Total net molasses produced (Qtls)	95020.00	142977.00
6-	RECOVERY:		
	Average recovery of sugar Percent cane	9.48	9.90
7-	AVERAGE PRODUCTION		
	Final molasses percent cane	4.25	4.57
	Bagasse percent cane	32.21	32.22
	Filter cake % cane	3.73	3.74
8-	STORE USED:		
	Coal percent cane	-	-
	i) Trial	-	-
	ii) Season	-	-
	Firewood Qtls. % cane	-	-
	i) Trial	0.009	0.012
	ii) Season	-	-
	Other Fuel % cane	-	-
	i) Trial (Loose Bagasse)Qtls. % Cane	0.234	0.173
	ii) Season	-	-
	For Previous of Season coal	-	-
	Firewood	-	-
	Lime Qtls % Cane(E.T.P)	-	-
	Lime Qtls % Cane (Process)	0.18	0.18
	Lime Stone Qtls. % Cane	-	-
	Coke Qtls. % Cane	-	-
	Sulphur Qtls. % Cane	0.051	0.049
	Lubricant Kgs. (Oil & Grease) % Cane Qtls.	0.481	0.466
	Boraquate (Mill Sanitation chemical) Litres % Cane	0.016	0.019
	Filter Cloth Nos. % Cane	-	-
	PP Bags for sugar in terms of 100 Kg. Nos. % Cane	9.51	9.99
	Washing soda Kgs. % Cane Qtls.	0.0492	0.0368
	Caustic soda Kgs. % Cane Qtls.	0.615	0.510
	Hydrochloric Acid Litres % Cane Qtls.	0.627	0.589
	Sodium Hydrosulphite Kgs. % Cane Qtls.	0.0201	0.0160
	Ammonium Bi fluoride Kgs. % Cane Qtls.	0.0604	0.0511
	Bleaching Powder Kgs. % Cane Qtls.	0.0067	0.0056







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S.N.	Particulars	This Year 2023-24	Last Year 2022-23	
9-	ANALYSIS:			
	Cane	Sugar %	11.50	11.94
		Fibre %	14.86	14.88
	Primary Juice	Sugar %	14.28	14.90
		Brix %	17.91	18.52
		Purity	79.73	80.45
	Mixed	Sugar %	10.62	10.92
		Brix %	13.59	13.85
		Purity	78.15	78.84
	Last Mill Juice	Sugar %	2.01	1.92
		Brix %	2.85	2.69
		Purity	70.53	71.38
	Clarified Juice	Sugar %	10.71	11.02
		Brix %	13.58	13.86
		Purity	78.87	79.51
	Filter Press Juice	Sugar %	-	-
		Brix %	-	-
		Purity	-	-
	Unsulphured Syrup	Sugar %	-	-
		Brix %	-	-
		Purity	-	-
	Sulphured Syrup	Sugar %	37.70	38.19
		Brix %	47.96	48.14
		Purity	78.60	79.33
	MASSECUITE A	Brix %	91.68	90.72
		Purity	84.72	84.74
	MASSECUITE B	Brix %	94.25	94.37
		Purity	70.18	70.80
	MASSECUITE C	Brix %	99.68	99.06
		Purity	49.20	50.30
	MASSECUITE D	Brix %	-	-
		Purity	-	-
	MOLASSES		-	-
	A- HEAVY	Brix %	82.15	82.68
		Purity	70.43	71.09
	A- LIGHT	Brix %	72.35	71.32
		Purity	90.63	92.81
	B- HEAVY	Brix %	81.82	84.05
		Purity	44.78	46.72
	B- LIGHT	Brix %	-	-
		Purity	-	-
	C- LIGHT	Brix %	75.94	75.87
		Purity	62.56	62.84
	D- LIGHT	Brix %	-	-
		Purity	-	-

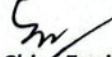
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S.N.	Particulars	This Year 2023-24	Last Year 2022-23
	SUGAR (Average):		
	Sugar (Average Sugar %(d) white	99.75	99.78
	Moisture %	0.02	0.02
	Final Molasses Sugar %	24.17	24.43
	Brix %	88.34	87.51
	Purity	27.36	27.92
	Bagasse Sugar %	2.38	2.38
	Water % Bagasse	50.49	50.48
	Fibre % Bagasse	46.13	46.19
	Filter Cake Sugar %	1.50	1.36
	Lime Kiln Gas CO ² %	-	-
	Boiler Feed Water pH	9.10	9.10
10-	MILL EXTRACTION, BOILING HOUSE EXTRACTION & OVERALL EXTRACTION		
	Mill Extraction	93.30	93.55
	Reduced Mill Extraction	94.52	94.73
	Boiling House Extraction	88.16	88.45
	Reduced Boiling House Extraction	92.53	92.40
	Overall Extraction	82.25	82.75
	Reduced Overall Extraction	87.46	87.53
11-	SUGAR BALANCE		
	Sugar in cane	11.50	11.94
	Sugar in mixed juice	10.73	11.17
	Sugar in Bagasse	0.77	0.77
	Sugar in filter cake	0.06	0.05
	Sugar in final molasses	1.03	1.12
	Sugar in Sugars	9.46	9.88
	Sugar in undetermined	0.18	0.12
	Total losses (in bagasse, filter cake, molasses and undetermined)	2.04	2.06
12-	AREA AND YIELD OF CANE IN FACTORY FARM		
	Total area of farm Hectare	NIL	NIL
	Area under Cane Hectare	NIL	NIL
	Average yield per hectare		
	Average Variety a) Plant	NIL	NIL
	b) Adsal	NIL	NIL
	c) Ratoon	NIL	NIL

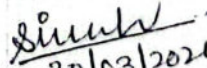
I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.


Lab Incharge


I/c Cane Manager


Chief Engineer


I/c Chief Chemist


30/03/2024
Executive Director

NOTE:

- a. Outstation cane means the cane weighed and purchased at centre other than at the factory gate.
- b. In case 3 massecuite system brix and purities of C Heavy and D Light molasses not to be given.
- c. for carbonation factories only.
- d. Sugar Means= direct Pol.
- e. Bagasse percent cane =100 plus added water percent cane-mixed juice (gross) percent cane.
- f. Gross season means the total number of days from the day of start to day of close both days inclusive.
- g. Total days actual crushing this is calculated by dividing the total hours of actual crushing by 22.

Returns in this form must be prepared for the entire working season of the factory and must be submitted so as to not later than 30 days after the date of which working season closes to the following authorities:

- 1- Central Excise Authorities Concerned.
- 2- Directorate of Sugar Delhi
- 3- National Sugar Institute, Kanpur.

DOIWALA SUGAR COMPANY LTD. DOIWALA D. DUN. UTTARAKHAND

Additional information required by the Sugar Technologists' Association of India, New Delhi.

S.N.	Particulars	This Season 2023-24			Last Season 2022-23	
		Grade	Qtls.	%	Qtls.	%
1.	Grade Wise Sugar Production	M-30	179700	84.49	263320	84.20
		S-30	28830	13.56	45590	14.58
		B.S.	4150	1.95	3805	1.22
		Total	212680	100	312715	100
2.	Mill extraction		93.30		93.55	
3.	Boiling House Extraction		88.16		88.45	
4.	Overall extraction		82.25		82.75	
5.	Reduced Mill extraction					
	(a) Mittal		94.81		94.82	
	(b) Noel Deer		94.52		94.73	
6.	Reduced boiling house extraction :					
	(a) Gundu Rao		91.85		91.86	
	(b) Noel Deer		92.53		92.40	
7.	Reduced overall extraction					
	(a) Gundu Rao		87.08		87.10	
	(b) Noel Deer		87.46		87.53	
8.	Un-diluted juice lost % fibre		40.79		38.93	
9.	Virtual Purity of final Molasses		29.74		30.10	
10.	Java Ratio		80.53		80.13	
11.	Added water % fibre		226.11		234.27	
12.	Added water extraction in mixed juice % added water		72.79		74.24	
13.	Purity drop PJ-MJ		1.58		1.61	
14.	Clarification Efficiency		4.98		4.33	
15.	Rate of crushing (In tons)					
	(a) Including stoppages on 24 Hrs.		2144.80		2237.50	
	(b) Excluding stoppages on 24 Hrs.		2288.41		2352.81	
	(c) Excluding stoppages on 22 Hrs.		2097.71		2156.74	
	(d) Sanctioned capacity (T.C.D.)		2500.00		2500.00	
16.	(a) Capacity Utilization % Gross on 24 Hrs.		85.79		89.50	
	(b) Capacity utilization % Net on 24 Hrs.		91.54		94.11	
	(c) Capacity Utilization % Net on 22 Hrs.		83.91		86.27	
17.	E.R.Q.V.					
	(a) M.J./P.J		96.91		96.90	
	(b) L.M.J./P.J.		82.02		82.52	

18.	NAME OF OFFICERS.	DESIGNATION	CONTACT NO.
	SHRI Vijay Kumar yadav (I.A.S.)	CHAIRMAN/SECRETARY (SUGAR)	8588882580
	SHRI Uday Raj Singh (P.C.S.)	MANAGING DIRECTOR	9450166444
	SHRI Dinesh Pratap Singh (P.C.S.)	EXECUTIVE DIRECTOR	9193666222
	SHRI Triloki Nath Singh	CHIEF ENGINEER	8447270864
	SHRI Rajveer Singh	I/c CHIEF CHEMIST	9719459833
	SHRI Sarvjeet Singh	I/c CHIEF ACCOUNTANT	9219758821
	SHRI Sidharth Dixit	I/C CANE MANAGER	9452343496
	SHRI Jameel Ahmad	LAB INCHARGE	8475011984

(JAMEEL AHMAD)
LAB INCHARGE

(RAJVEER SINGH)
I/c CHIEF CHEMIST