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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 2024-25

DOIWALA SUGAR COMPANY LIMITED, DOIWALA (DEHRADUN)

DSCL/ 88

DATED 21/04/2025

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 2024-25 for your kind information and necessary record.

Yours faithfully,

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).


Dinesh Pratap Singh
P.C.S
EXECUTIVE DIRECTOR

FORM – R.T. 8 (C)

Central Excise Series No. 76

FINAL MANUFACTURING REPORT FOR THE SEASON 2024-25
RULE- 83

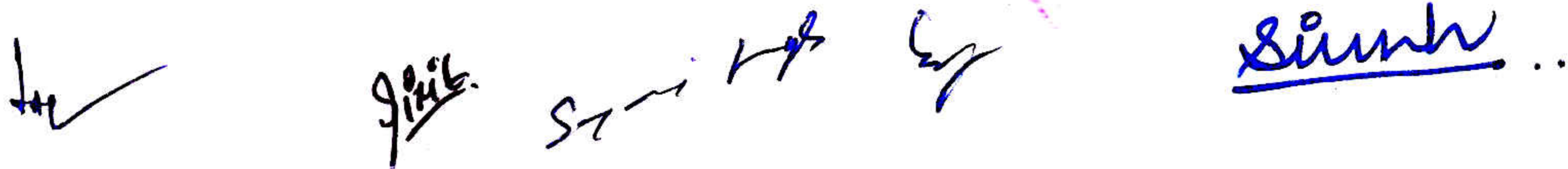
Name & Address of Factory		Doiwala Sugar Company Ltd., Doiwala D.dun.	
Registered No. of Factory		DDN-13	
Clarification Process used		Double Sulphitation	

S.N.	Particulars	This Year 2024-25	Last Year 2023-24
1-	TIME ACCOUNT		
	Date of Start	23.11.2024 at 11:00 A.M.	24.11.2023 at 08 P.M.
	Date of Finish	04.04.2025 at 11:50 P.M.	08.03.2024 at 1:30 A.M.
	Duration of Season (Days)	133	105
	Total Days actual crushing	137	107
	Total hours actual crushing	3012-50	2344-30
	Total hours lost	168-00	157-00
	i) Cane Shortage	36-00	41-00
	ii) Mechanical+Electrical	27-00	35-00
	iii) General Cleaning	85-00	40-00
	iv) Process	-	-
	v) Bad Weather	-	39-00
	vi) Misc.	20-00	2-00
2-	CANE CRUSHED (Qtls.)		
	i) Own Estate Cane	-	-
	ii) Gate Cane	1124877.62	953055.36
	iii) Out Station Cane	1671537.40	1282436.71
	iv) Rail Cane	-	-
	v) Total	2796415.02	2235492.07
3-	JUICE & ADDED WATER:		
	Total net mixed juice obtained (Qtls)	2892712.67	2259489.88
	Average gross mixed juice% cane	103.78	101.40
	Dirt Correction% mixed juice	0.323	0.321
	Avg. net mixed juice % cane	103.44	101.07
	Avg. added water percent cane	36.64	33.60
4-	SUGAR:		
	Number of Sugar Bags (50 Kg)	548940	425360
	Quantity of Sugar (Qtls)	* 274470.00	**212680.00
	Sugar in process if any (Qtls)	(+) 310.00	(+)320.00
	Total Sugar made (Qtls)	274780	213000
	Sugar recovered from previous season's process (Qtls)	(-) 259.00	(-) 593.00
	Sugar recovered from previous season's BrownSugar (Qtls)	(-) 693.00	-
	Sugar recovered from privious season's BISS or Sugar from other sources (Qtls)	(-) 1287.00	(-) 486.00
	Total net Sugar made (Qtls)	272541.00	211921.00

* This includes 3170 Qtls of Brown Sugar of above 90.20° Pol.

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

Contd....2..



S.N.	Particulars	This Year 2024-25	Last Year 2023-24
5-	MOLASSES:		
	Total Molasses sent out (Qtls)	123109.00	95300.00
	Molasses in process if any (Qtls)	(+) 225.00	(+) 242.00
	Total Molasses produced (Qtls)	123334.00	95542.00
	Mol. recovered from Previous season's process (Qtls)	(-) 315.00	(-) 494.00
	Molasses recovered from previous season's Brown Sugar or from Remelting (Qtls)	(-) 356.00	-
	Molasses recovered from Remelted sugar or other sources (BISS) (Qtls)	(-) 80.00	(-) 28.00
	Total net molasses produced (Qtls)	122583.00	95020.00
6-	RECOVERY:		
	Average recovery of sugar Percent cane	9.75	9.48
7-	AVERAGE PRODUCTION		
	Final molasses percent cane	4.38	4.25
	Bagasse percent cane	32.87	32.21
	Filter cake % cane	4.29	3.73
8-	STORE USED:		
	Coal percent cane	-	-
	i) Trial	-	-
	ii) Season	-	-
	Firewood Qtls. % cane	-	-
	i) Trial	0.004	0.009
	ii) Season		
	Other Fuel % cane		
	i) Trial (Loose Bagasse)Qtls. % Cane	0.046	0.234
	ii) Season	-	-
	For Previous of Season coal	-	-
	Firewood	-	-
	Lime Qtls % Cane(E.T.P)	-	-
	Lime Qtls % Cane (Process)	0.199	0.180
	Lime Stone Qtls. % Cane	-	-
	Coke Qtls. % Cane	-	-
	Sulphur Qtls. % Cane	0.060	0.051
	Lubricant Kgs. (Oil & Grease) % Cane Qtls.	0.525	0.481
	Boraquate (Mill Sanitation chemical) kgs. % Cane	0.014	0.016
	Gunny Bags for sugar in terms of 100 Kg. Nos. % Cane	0.90	-
	PP Bags for sugar in terms of 100 Kg. Nos. % Cane	8.92	9.51
	Washing soda Kgs. % Cane Qtls.	0.0465	0.0492
	Caustic soda Kgs. % Cane Qtls.	0.637	0.615
	Hydrochloric Acid kgs. % Cane Qtls.	0.598	0.627
	Sodium Hydrosulphite Kgs. % Cane Qtls.	0.0161	0.0201
	Ammonium Bi fluoride Kgs. % Cane Qtls.	0.0476	0.0604
	Bleaching Powder Kgs. % Cane Qtls.	0.0045	0.0067

S.N.	Particulars	This Year 2024-25	Last Year 2023-24
9-	ANALYSIS:		
	Cane Sugar %	11.75	11.50
	Fibre %	15.07	14.86
	Primary Juice Sugar %	14.61	14.28
	Brix %	18.22	17.91
	Purity	80.19	79.73
	Mixed Sugar %	10.58	10.62
	Brix %	13.46	13.59
	Purity	78.60	78.15
	Last Mill Juice Sugar %	2.15	2.01
	Brix %	3.00	2.85
	Purity	71.67	70.53
	Clarified Juice Sugar %	10.66	10.71
	Brix %	13.45	13.58
	Purity	79.26	78.87
	Filter Press Juice Sugar %	-	-
	Brix %	-	-
	Purity	-	-
	Unsulphured Syrup Sugar %	-	-
	Brix %	-	-
	Purity	-	-
	Sulphured Syrup Sugar %	38.21	37.70
	Brix %	48.34	47.96
	Purity	79.04	78.60
	MASSECUITE A Brix %	91.56	91.68
	Purity	84.87	84.72
	MASSECUITE B Brix %	95.37	94.25
	Purity	69.99	70.18
	MASSECUITE C Brix %	100.03	99.68
	Purity	49.07	49.20
	MASSECUITE D Brix %	-	-
	Purity	-	-
	MOLASSES	-	-
	A- HEAVY Brix %	82.43	82.15
	Purity	71.22	70.43
	A- LIGHT Brix %	72.72	72.35
	Purity	92.49	90.63
	B- HEAVY Brix %	84.17	81.82
	Purity	45.66	44.78
	B- LIGHT Brix %	-	-
	Purity	-	-
	C- LIGHT Brix %	76.10	75.94
	Purity	64.28	62.56
	D- LIGHT Brix %	-	-
	Purity	-	-

Contd..4..

S.N.	Particulars	This Year 2024-25	Last Year 2023-24
	SUGAR (Average):		
	Sugar (Average Sugar %(d) white	99.79	99.75
	Moisture %	0.02	0.02
	Final Molasses Sugar %	23.55	24.17
	Brix %	87.88	88.34
	Purity	26.80	27.36
	Bagasse Sugar %	2.46	2.38
	Water % Bagasse	50.73	50.49
	Fibre % Bagasse	45.84	46.13
	Filter Cake Sugar %	1.43	1.50
	Lime Kiln Gas CO ² %	-	-
	Boiler Feed Water pH	9.10	9.10
10-	MILL EXTRACTION, BOILING HOUSE EXTRACTION & OVERALL EXTRACTION		
	Mill Extraction	93.11	93.30
	Reduced Mill Extraction	94.45	94.52
	Boiling House Extraction	88.94	88.16
	Reduced Boiling House Extraction	92.83	92.53
	Overall Extraction	82.81	82.25
	Reduced Overall Extraction	87.68	87.46
11-	SUGAR BALANCE		
	Sugar in cane	11.75	11.50
	Sugar in mixed juice	10.94	10.73
	Sugar in Bagasse	0.81	0.77
	Sugar in filter cake	0.06	0.06
	Sugar in final molasses	1.03	1.03
	Sugar in Sugars	9.73	9.46
	Sugar in undetermined	0.12	0.18
	Total losses (in bagasse, filter cake, molasses and undetermined)	2.02	2.04
12-	AREA AND YIELD OF CANE IN FACTORY FARM		
	Total area of farm Hectare		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


Cane Manager


I/c Chief Engineer


Chief Chemist


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 2024-25			Last Season 2023-24	
		Grade	Qtls.	%	Qtls.	%
1.	Grade Wise Sugar Production	M-30	253330	92.30	179700	84.49
		S-30	17970	6.55	28830	13.56
		B.S.	3170	1.15	4150	1.95
		Total	274470	100	212680	100
2.	Mill extraction	93.11			93.30	
3.	Boiling House Extraction	88.94			88.16	
4.	Overall extraction	82.81			82.25	
5.	Reduced Mill extraction					
	(a) Mittal	94.63			94.81	
	(b) Noel Deer	94.45			94.52	
6.	Reduced boiling house extraction :					
	(a) Gundu Rao	92.25			91.85	
	(b) Noel Deer	92.83			92.53	
7.	Reduced overall extraction					
	(a) Gundu Rao	87.30			87.08	
	(b) Noel Deer	87.68			87.46	
8.	Un-diluted juice lost % fibre	41.43			40.79	
9.	Virtual Purity of final Molasses	28.88			29.74	
10.	Java Ratio	80.42			80.53	
11.	Added water % fibre	243.13			226.11	
12.	Added water extraction in mixed juice % added water	74.00			72.79	
13.	Purity drop PJ-MJ	1.59			1.58	
14.	Clarification Efficiency	4.36			4.98	
15.	Rate of crushing (In tons)					
	(a) Including stoppages on 24 Hrs.	2110.00			2144.80	
	(b) Excluding stoppages on 24 Hrs.	2227.61			2288.41	
	(c) Excluding stoppages on 22 Hrs.	2041.97			2097.71	
	(d) Sanctioned capacity (T.C.D.)	2500.00			2500.00	
16.	(a) Capacity Utilization % Gross on 24 Hrs.	84.40			85.79	
	(b) Capacity utilization % Net on 24 Hrs.	89.10			91.54	
	(c) Capacity Utilization % Net on 22 Hrs.	81.68			83.91	
17.	E.R.Q.V.					
	(a) M.J./P.J	96.92			96.91	
	(b) L.M.J./P.J.	83.49			82.02	

18.	NAME OF OFFICERS.	DESIGNATION
	SHRI Ranvir singh Chauhan (I.A.S.)	CHAIRMAN/SECRETARY (SUGAR)
	SHRI Shyam Singh (P.C.S.)	MANAGING DIRECTOR
	SHRI Dinesh Pratap Singh (P.C.S.)	EXECUTIVE DIRECTOR
	SHRI Mange Singh	I/c CHIEF ENGINEER
	SHRI Sanjai Singh	CHIEF CHEMIST
	SHRI Sarvjeet Singh	I/c CHIEF ACCOUNTANT
	SHRI Sidharth Dixit	CANE MANAGER
	SHRI Jameel Ahmed	LAB INCHARGE


 (JAMEEL AHMED)
 LAB INCHARGE


 (SANJAI SINGH)
 CHIEF CHEMIST