

# SHRI SANT DAMAJI S.S.K.LTD.MANGALWEDHA



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TAL: - MANGALWEDHA.

Phone :8308808633,8308808684,9623244445

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DIST: - SOLAPUR

Pin: -413305

Hon. Shri Ambadas C.Kulkarni.  
Vice-Chairman.

Hon. Shri Samadhan M.Autade.  
Chairman/MLA.

Ref.No Mfg/ 26 ST 2021-2022

Date: 27 / 04 / 2022

## BOOK POST

To,  
The Managing Director.

\_\_\_\_\_ S.S.K Ltd \_\_\_\_\_

Tal:- \_\_\_\_\_ Dist:- \_\_\_\_\_

Pin:- \_\_\_\_\_

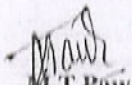
Subject: - *Final Manufacturing Report in the form R.T.8 (c) for the season 2021-2022*

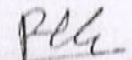
Dear Sir,

We are sending herewith our Final Manufacturing Report in the form of R.T.8 (c) for the season 2021-2022. Kindly arrange to send a similar copy of your Final Manufacturing Report R.T.8 (c) for the season 2021-2022 for our information and record please.

Thanking you,

Yours Faithfully,

  
M.T. Pawar  
Chief Chemist

  
R.L. Ganeshkar  
I/C. Managing Director



-: FORM R.T.8(C): -

(For Central Sugar Factories) Central Ex. Section No. 76

E.C.C. No.: - AAATS 5265 KXM001.

Division: - SOLAPUR.

Range: - PANDHARPUR.

Collectorate: - PUNE - III.

GST NO : 27AAATS5265K1Z3

**\*FINAL MANUFACTURING REPORT FOR THE SEASON 2021-2022\***

Name & Address of the Factory

:- Shri Sant Damaji Sahakari Sakhar Karkhana  
Limited, Mangalwedha. Dist: - Solapur.

Regd. no. of the Factory

:- SUR / MDA/ PRG /(A) -15(S) 1989 Dt. 26/04/1989.

Clarification Process Used

:- DOUBLE SULPHITATION

Sr. No	Particulars	This Season 2021-2022	Last Season 2020-2021
<b>1</b>	<b>TIME ACCOUNT</b>		
	Date of Start	14 Nov.2021 at 04.00 A.M.	03/11/2020 at 04.00 A.M.
	Date of Finish	24March2022 at 04.00 P.M.	07/03/2021 at 04.00 P.M.
	Gross season Days (F)	131	124
	Duration of season Days (H)	132.90	125.32
	<b>Total Hrs. Crushed</b>	<b>2924.00</b>	<b>2757.00</b>
	<b>Hours Lost</b>		
	a) Cane Shortage	79.00	132.00
	b) Mechanical & Electrical	53.00	49.00
	c) Rain	28.00	-
	d) Process	-	-
	e) Cleaning	48.00	48.00
	f) Misc.	--	-
	<b>Total Hrs Lost</b>	<b>208.00</b>	<b>229</b>
<b>2</b>	<b>CANE CRUSHED (QTLS) (A)</b>		
	a) Own Estate Cane	754.49	-
	b) Member's Cane	2622247.15	2299718.47
	c) Non Member's Cane	807742.86	581639.45
	d) Gate Cane	388028.02	762697.30
	e) Out station Cane	38277.48	81089.77
	<b>Total</b>	<b>3857050.00</b>	<b>3725144.99</b>
<b>3</b>	<b>JUICE &amp; ADDED WATER</b>		
	a) Avr. Gross mixed juice % Cane	98.32	96.54
	b) Correction % mixed juice	0.41	0.43
	c) Avr. Net mixed juice % Cane	97.91	96.11
	d) Total Net mixed Juice obtd (Qtls)	3776322.55	3580207.58
	e) Avr. Added Water % Cane	25.88	24.94
<b>4</b>	<b>SUGAR</b>		
	1) Total Sugar Bagged		
	a) White 50 Kgs.	769000	655000
	b) White 30 Kgs.	50000	65000
	<b>Total White Sugar Qtls.</b>	<b>399500.00</b>	<b>347000.00</b>
	c) B.I.S.S. (Rori Sugar)	-	-
	d) Brown Sugar (G)	-	-
	2) Sugar in Process if any (Qtls)	-	-
	3) Total Sugar Made (Qtls)	<b>399500.00</b>	<b>347000.00</b>
	4) Sugar recovered from Brown Sugar of previous season**	-	-
	5) Sugar recovered form previous season Rori /damage Sugar	-	-
	6) Total Net Sugar Made (Qtls)	<b>399500.00</b>	<b>347000.00</b>



No	Particulars	2021-2022	2020-2021
<b>5</b>	<b>MOLASSES (Qtls)</b>		
	1) Total Molasses sent out	168330.00	153995.09
	2) Molasses in process	-	-
	3) Total Molasses Produced	168330.00	153995.09
	4) Molasses recovered from previous Brown Sugar season process**	-	-
	5) Molasses recovered from previous season remelted Rori /damage Sugar	-	-
	6) Total Net Molasses Produced	168330.00	153995.09
<b>6</b>	<b>RECOVERY (Excl. binding material)</b>		
	a) Avr. Recovery of Sugar % Cane	<b>10.36</b>	<b>9.32</b>
	b) Avr. Production of Final Molasses % Cane	4.36	4.13
<b>7</b>	<b>BAGASSE PRECENT CANE (E)</b>	27.56	28.40
<b>8</b>	<b>Filter cake percent cane</b>	2.92	2.86
<b>9</b>	<b>STORED USE)</b>		
	a) Coal % Cane	Trial	-
		Season	-
	b) Fire wood % Cane	Trial	-
		Season	0.029
	c) Other fuel % Cane Furnace oil	Trial	-
		Season	-
	d) Lime % Cane	Process	0.133
		Spray	0.020
		E.T.P.	0.010
		<b>Total</b>	<b>0.163</b>
	e) Sulphur % Cane	0.059	0.047
	f) Lubricant oils (Ltr. /100 Qtls Cane)	0.016	0.125
	g) Grease (Kgs /100 Qtls Cane)	0.067	0.053
	h) Antiscalent for Sugar (--"---)	0.015	0.054
	j) Formaldehyde (--"---)	0.0004	0.005
	l) Caustic Soda (--"---) General cleaning + DM plant	0.052	0.778
	k) Phosphoric Acid (85%) (--"---)	0.065	0.072
	l) 100 Kg Gunny Bag (--"---)	-	-
	m) 50 Kg P.P. Bag (Nos --"---)	21.79	19.19
	n) 30Kg P.P. Bag (Nos --"---)	1.31	0.228
	o) Mill sanitation Chemical (--"---)	0.080	0.479
	p) Washing soda (--"---)	-	-
	q) Stable bleaching powder Kgs per (--"---)	0.005	0.027
	r) Settling Aids per(magnaflock lt-27) (--"---)	0.024	0.023
	s) Defoamer (T.R.O.) (--"---)	0.037	0.027
	t) Com. Hydrochloric Acid per (--"---)	0.032	0.027
<b>10</b>	<b>ANALYSIS</b>		
	Cane	Sugar %	12.24
		Fiber %	12.93
	Primary Juice	Sugar %	16.88
		Brix %	20.21
		Purity	83.52
	Mixed Juice	Sugar %	11.88
		Brix %	14.48
		Purity	82.04
	Last mill Juice	Sugar %	3.35
		Brix %	4.36
		Purity	76.83
	Clarified Juice	Sugar %	11.58
		Brix %	14.05
		Purity	82.42

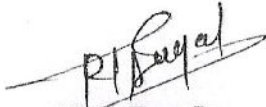



No	Particulars		2021-2022	2020-2021
	Sulphured syrup	Sugar %	42.07	42.02
		Brix %	51.00	51.00
		Purity	82.49	82.40
	Massecuite (A)	Brix %	91.88	91.46
		Purity	88.60	88.63
	Massecuite (B)	Brix %	96.22	95.17
		Purity	71.18	71.59
	Massecuite (C)	Brix %	101.12	101.19
		Purity	56.32	56.65
	<b>MOLASSES (C)</b>			
	A Heavy	Brix %	81.85	82.42
		Purity	71.42	71.41
	A Light	Brix %	79.29	79.66
		Purity	89.69	89.52
	B Heavy	Brix %	90.93	90.90
		Purity	50.63	48.42
	C Light	Brix %	86.72	85.99
		Purity	61.16	60.51
	<b>SUGAR AVERAGE (D)</b>			
	1) White Sugar bagged	Sugar%	99.80	99.80
		Moisture %	0.04	0.04
	2) Raw Sugar bagged	Pol %	-	-
		Moisture %	-	-
	3) BS (Brown Sugar)*	Sugar %	-	-
		Brix %	-	-
		Purity %	-	-
	4) Final Molasses	Sugar %	27.00	29.15
		Brix %	85.00	89.09
		Purity %	31.76	32.72
	5) Bagasse	Sugar %	2.22	2.16
		Water %	50.20	50.30
		Fiber %	46.91	46.76
	6) Filter cake	Sugar %	1.62	1.70
	7) Lime Klin Gas (B)	Co2 %	-	-
	8) Boiler feed water temperature	above	95°C	95°C
	9) Boiler Feed water pH	above	8.5	8.5
	10) Clear Juice Temperature		95°C	95°C
	11) Clear Juice pH		6.9	6.9
<b>11</b>	<b>EFFICIENCY FIGURES</b>			
	1) Mill Extraction		95.00	94.51
	2) Reduced Mill Extraction		95.20	94.89
	3) Boiling House Extraction		88.91	87.98
	4) Reduced Boiling House Extraction		90.82	90.13
	5) Overall Extraction		84.48	83.18
	6) Reduced Overall Extraction		86.46	85.52
<b>12</b>	<b>SUGAR BALANCE</b>			
	1) Sugar in Cane		12.24	11.18
	2) Sugar in mixed juice		11.63	10.57
	3) Sugar in bagasse		0.61	0.61
	4) Sugar in filter cake		0.05	0.05
	5) Sugar in final Molasses		1.18	1.20
	6) Sugar in Sugar		10.34	9.30
	7) Sugar undetermined		0.06	0.09
	8) Total losses (In bagasse, filter cake, molasses undetermined)		1.90	1.95

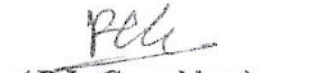


Sr. No	Particulars	This Season 2021-2022	Last Season 2020-2021
13	<b>AREA &amp; YIELD OF CANE IN FACTORY FARM</b>		
	1) Total Area of farm (Hects)	5207.90	7900.00
	2) Area under cane	4636.15	6700.00
	3) Production of cane M.T.	385705.000	372514.499
	4) Avr. Yield per hect. M.T.	74.06	79.86
	a) Plant (hector.) M.T.	134115.104	127036.344
	b) Adsali (hector.) M.T.	183121.557	174970.239
	c) Ratoon (hector.) M.T.	68468.339	70507.916

We hereby declare that figures given in this return are complete and true to the best of our knowledge.

  
(R.J. Bagal)  
Lab-Incharge

  
(M.T. Pawar)  
Chief Chemist

  
(R.L. Ganeshkar)  
I/C. Managing Director

Shri Sant Damaji Sahakri Sakhar Karkhana Ltd., Mangalwedha. Dist: -Solapur.

**NOTES: -**

- A) Out station cane is the weighed and purchased at center other than the factory gate.
- B) For carbonation factories only.
- C) Sugar means direct pol.
- D) Bagasse % cane = 100 + Added water % cane - Gross M.J. % cane.
- E) Gross season days means the total number of days from date of start to the date of close inclusive of both the day.
- F) Duration of season - This is calculated by dividing the total hours actual crushing by 22Hr.
- G) The above figures are subject to alteration if any change as per Deputy Chief Chemist report Central Excise, Mumbai.



**SHRI SANT DAMAJI SAHAKARI SAKHAR KARKHANA LTD., MANGALWEDHA.**

*Tal: -Mangalwedha.*

*Dist: -Solapur.*

**ADDITIONAL INFORMATION OF EFFICIENCIES**

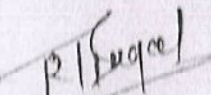
To be submitted to the sugar Tech. Association of India.

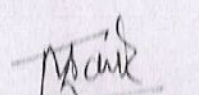
Sr. No	Particulars	This Season 2021-2022	Last Season 2020-2021
	<b>A) ENGINEERING &amp; MANUFACTURING DATA</b>		
1	Installed crushing capacity (TCD)	2500	2500
2	Capacity Utilization %	108.37	109.78
3	Av. Moisture % Bagasses	50.20	50.30
4	Av. Pol % bagasses	2.22	2.16
5	Av. Temp. of added water (0°c)	85°c	85°c
6	Added water extracted in M.J. % added water % cane	78.02	88.42
7	Undiluted juice lost % fiber	30.48	33.71
	<b>B) Boiling House Data</b>		
8	Mill Extraction	95.00	94.51
9	Boiling House Extraction	88.91	87.98
10	Overall Extraction	84.48	83.18
11	Reduced Mill Extraction	95.20	94.89
12	Reduced Mill Extraction (Mittal)	95.27	95.38
13	Reduced Boiling House Extraction		
	a) Gundu Rao	90.82	90.13
	b) Noel Deer	91.07	90.46
14	Reduced Overall Extraction		
	a) Gundu Rao	86.46	85.52
	b) Noel Deer	86.70	85.84
15	Added water % fiber	200.15	187.80
16	Clarification Efficiency / Factor	96.86/ 3.14	96.17 / 3.83
17	Molasses Produced Act. To Therotical %	102.11	104.29
18	Virtual purity of final molasses	33.59	33.80
19	Crushing rate per 24 Hrs. (Qlts)		
	a) Including Stoppages	29555.93	29940.88
	b) Excluding Stoppages	31658.41	32427.81
20	Crushing Rate per 22 Hrs. (Qlts)		
	a) Including Stoppages	27092.93	27445.81
	b) Excluding Stoppages	29020.20	29725.49
21	E. R. Q. V.		
	a) Mixed Juice. / Primary Juice	97.31	97.15
	b) Last Mill Juice. / Primary Juice.	87.82	85.13
22	Total Hrs. Lost percent Hrs. Available	6.64	7.67
23	Jawa Ratio	72.51	72.60
24	<b>Purity</b>		
	A) C for worker sugar	80.28	80.25
	B) C after worker sugar	93.49	93.50
25	<b>Masseculite % cane</b>		
	a) A Masseculite %	25.09	23.30
	b) B Masseculite %	11.45	11.32
	c) C Masseculite %	8.30	8.26
	<b>Total Masseculite %</b>	<b>44.84</b>	<b>42.88</b>

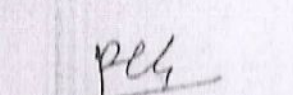


No.	Particulars	2020-2021		2019-20	
		Qtls	%	Qtls	%
26	<b>Grade wise sugar production</b>				
	1) L-30	-	-	-	-
	2) M-30	94230	23.59	88500	25.50
	3) S 1 -30 (Super)	119610	29.94	146500	42.22
	4) S - 30	185660	46.47	112000	32.28
	5) B.S.	-	-	-	-
	<b>Total: -</b>	<b>399500.000</b>	<b>100.00</b>	<b>347000.00</b>	<b>100.00</b>
27	<b>BAGASSE DATA</b>				
	a) Bagasse production (M.T.) during the season	106261.72		105794.110	
	b) Bagasse utilized as fuel (M.T.) in the boiler of sugar mill	87981.28		42317.647	
	c) Bagasse saved (M.T.) during the season	18279.44		23811.550	
	d) Bagasse saved % cane	4.73		6.39	
	e) Bagasse used for Own paper plant	-		-	
	f) Bagasse used as a fuel for ancillary unit during the season	-		-	
	g) Bagasse sold (M.T.)	17342.73		8356.520	
	h) Bagasse balance at the end of season	936.570		1400.000	
28	<b>STEAM GENERATION: -</b>				
	a) Live steam production (M.T.)	167164.43		93098.820	
	b) Steam consumption % cane	43.34		41.99	
	c) Pressure (Kg/cm <sup>2</sup> ) 1) High pressure	45Kg/cm <sup>2</sup>		45Kg/cm <sup>2</sup>	
	d) Temperature (°c) 1) High pressure	420 °c		420 °c	
	e) No Cane Period Steam Used	-		11166.25	
29	<b>STEAM CONSUMPTION % CANE</b>				
	a) Power House	53020		9812.550	
	b) Mill House	91656		17841.000	
	c) Bleeding + Misc (Factory)	-		-	
	d) Ancillary unit	-		-	
	e) Process steam	22488.43		2691.840	
30	<b>ELECTRICITY GENERATION &amp; CONSUMPTION</b>				
	1) Units generated by T.G. set	6296060		5951200	
	2) Units generated by D.G. set	47860		21600	
	3) Units purchased from MSEB	56463		41631	
	4) Total units generated	6400383		6014431	
	5) Total units consumed in				
	a) Sugar Factory	6098023		5770051	
	b) Distillery & E.N.A	-		-	
	c) Office & colony	136000		118080	
	d) Units Used for D.I.E.G	-		-	
	e) Units Used for ETP	166360		126300	

- 1) Name of the I/C. Managing Director : Shri Ramesh Laxman Ganeshkar  
2) Name of the Works Manager : Shri Ganpat D. Ghadage  
3) Name of the Chief Chemist : Shri Mohan Tanaji Pawar  
4) Name of the Chief Accountant : Shri Ramesh Laxman Ganeshkar  
5) Name of the Chief Agriculture Officer : Shri Ramesh D. Pawar

  
(R.J. Bagal)  
Lab- Incharge

  
(M.T. Pawar)  
Chief Chemist

  
(R.L. Ganeshkar)  
I/c. Managing Director

Shri Sant Damaji Sahakari Sakhar Karkhana Ltd., Mangalwedha, Dist :- Solapur