



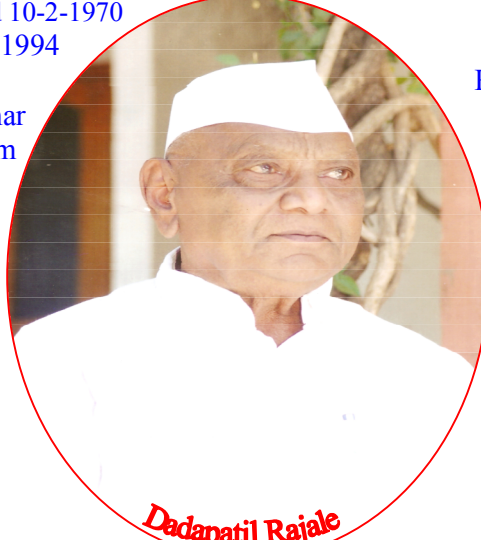
**SHRI VRIDHESHWAR SAHAKARI SAKHAR
KARKHANA LTD., ADINATHNAGAR**

Tal. Pathardi, Dist. Ahmednagar (M.S.)



Regd. No. ANG/PRG (A)29 Dated 10-2-1970
Lic No. CIL 123 (94) Dt. 14-12-1994
Web Site – www.adisugar.com
Android App : vridheshwar sakhar
Email : vridheshwar@gmail.com

STD Code : 02428
Kasar Pimpalgaon : 245042,
245142
245066
Fax : 245264



**Dadapatil Rajale
Founder**

SHRI APPASAHEB DADABA RAJALE PATIL

CHAIRMAN

(Ex. M.L.A.)

RefNo. VSSK/MFG/2018-19/344

DATE : 21/05/2018

To,

**Sub: FINAL MANUFACTURING REPORT IN THE FORM
R.T.8(C) FOR THE SEASON 2017-2018.**

Dear Sir,

Please find enclosed here with the final manufacturing Report in the form R.T. 8 (c) for the season 2017-2018 for your information.

We request you to please send us similar report of your factory.

Thanking you

Yours faithfully,

**(J. R. PAWAR)
MANAGING DIRECTOR**

Central Excise Series No. 76
Form R. T. 8 (C)
(For the Central Sugar Factories)

Division : Ahmednagar New
Range : Shirdi Range
Circle : Nashik New

Final Manufacturing Report For the
Season 2017-2018

Name & Address of Factory : - **Shri Vridheshwar Sahakari Sakhar Karkhana Ltd.,**
Adinathnagar, Tal. Pathardi, Dist. Ahmednagar (M.S.)

Registration No. of Factory: - ANG/PRG/(A) 29 DATED 10-02-1970.

Clarification Process: **Double Sulphitation**

Sr. No.	Particulars	This Season 2017-18	Last Season 2016-17
1	TIME ACCOUNT		
	Date of Start	02/11/2017	06.11.2016
		@18.00 Hrs.	@16.00 Hrs.
	Date of Finish	10/05/2018	09.01.2017
		@03.25Hrs.	@11.50 Hrs.
	Gross Season (days) (f)	190	65
	Duration of season (days) (g)	191.47	51.23
	Total Hours actual crushing	4212.25	1127.00
	Total Hours Lost	333.00	404.50
	1) Cane Shortage	129.75	400.00
	2) Mechanical & Electrical	70.25	03.50
	3) Process	Nil	Nil
	4) Misc.	23.00	01.00
	5) Cleaning (General)	110.00	Nil
2	CANE CRUSHED		
	1) Own Estate Cane (Qtls.)	1469.35	-
	2) Gate Cane (Share Holders) (Qtls.)	2316128.74	118630.43
	3) Gate Cane (Non Share Holders) (Qtls.)	898200.67	10937.32
	4) Out Station Cane (Qtls.)	1820707.94	835217.26
	a) Rail Cane	-	-
	b) Other than rail Cane	-	-
	5) Total (Qtls.)	5036506.70	964785.01
3	JUICE & ADDED WATER		
	1) Average gross mixed juice% cane	97.14	98.80
	2) Correction % mixed juice	00.48	00.48
	3) Average net mixed juice % cane	96.67	98.32
	4) Total net mixed juice obtd.(Qtls.)	4868990.20	948584.43
	5) Average added water % cane	24.13	26.12
4	SUGAR		
	1) Total Sugar bagged		
	a) No.of bags white sugar (50 kgs.)	1069550	162550
	b) No.of bags Raw sugar (50 kgs.)	Nil	Nil
	c) Brown sugar (100 kgs.)	*317	*275
	d) Dust and rori	-	-
	Total	1069867	162825
	2) Qty. in Qtls.	535092	81550

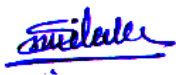
	Particulars	This Season 2017-18	Last Season 2016-17
	Sugar in Process if any (Qtls)	-	-
	Total sugar made (Qtls)	535092	81550
	Sugar recovered from Previous Season Brown Sugar (Qtls.) (-)	**247.60	**635.93
	Total Net sugar made (Qtls)	534844.40	80914.07
5)	MOLASSES		
	Total molasses sent out (Qtls)	248842.50	45002.50
	molasses in process if any(Qtls)	Nil	Nil
	Total molasses Produced (Qtls)	248842.50	45002.50
	molasses recovered from Previous season Brown sugar (Qtls) (-)	***28.63	***66.67
	Total net molasses Produced (Qtls)	248813.87	44935.83
6)	RECOVERY		
	Average recovery of sugar % cane		
	a) Excluding binding material	10.62	08.39
	b) Average Production of final molasses % cane	04.94	04.66
7)	BAGASSE % CANE	26.99	27.32
	Filter cake % cane	03.14	03.30
8)	STORE USED		
	a) Coal % cane	Nil	Nil
	b) Fire wood % cane		
	1) Trial	Nil	Nil
	2) Season	00.02	00.10
	c) Other Fuel % cane (Furnace oil)		
	1) Trial	Nil	Nil
	2) Season	Nil	Nil
	d) Bagasse		
	1) Trial	Nil	Nil
	2) Season	24.73	27.22
	e) For Previous off season		
	1) coal	Nil	Nil
	2) Fire wood	Nil	Nil
	3) Other Fuel (Furnace Oil)		
	f) Lime % cane	00.15	00.15
	1) Process	00.13	00.13
	2) Spray Water + E.T.P.	00.02	00.02
	3) Lime Stone(b)% cane	Nil	Nil
	coke (b) % cane	Nil	Nil
	g) Sulphur % cane	00.05	00.06
	h) Lubricant % cane (Oil, Grease)(Ltrs., Kgs.)per 100 Qtls. cane		
	i) Oil	00.34	00.96
	ii) Grease	00.12	00.01
	Filter Cloth sq. meter per 100 Qtls. cane	Nil	Nil

Particulars		This Season 2017-18	Last Season 2016-17
P.P. bags 50kgs for sugar No. Per 100 Qtls. cane		21.24	16.85
Jute bags 50 kgs. for Sugar No. Per 100 Qtls. cane		Nil	Nil
Washing Soda Kgs. /100 Qtls cane		00.04	0.06
Caustic Soda Kgs /100 Qtls cane		00.24	0.35
Ammonium bifluoride Kgs /100 Qtls. cane		00.04	0.05
Bleaching Powder Kgs / 100 Qtls. cane		00.0005	0.005
Ortho Phosphoric acid % cane		00.002	0.002
Hydros Kgs /100 Qtls. cane		Nil	Nil
Mill Sanitation chemical Ltrs. /100 Qtls cane		00.22	0.26
Filter aids Kgs /100 Qtls cane		Nil	Nil
9) ANALYSIS			
Cane	Sugar % Cane	12.79	10.56
	Fiber % Cane	12.62	12.67
Primary juice	Sugar %	15.59	13.83
	Brix %	18.74	17.06
	Purity	83.19	81.07
Mixed Juice	Sugar %	12.41	09.97
	Brix %	15.20	12.55
	Purity	81.64	79.44
Last mill juice	Sugar %	03.11	03.52
	Brix %	04.14	4.73
	Purity	75.12	74.41
Clear Juice	Sugar %	12.81	11.63
	Brix %	15.66	14.61
	Purity	81.80	79.60
Filter Press Juice	Sugar %	Nil	Nil
	Brix %	Nil	Nil
	Purity	Nil	Nil
Unsulphured Syrup	Sugar%	Nil	Nil
	Brix %	Nil	Nil
	Purity	Nil	Nil
Sulphured Syrup	Sugar %	41.24	40.77
	Brix %	50.16	50.98
	Purity	82.22	79.97
MASSECUITES			
Massecuite A	Brix %	91.06	89.90
	Purity	86.32	86.51
Massecuite B	Brix %	93.75	94.47
	Purity	73.37	73.21
Massecuite C	Brix %	99.86	99.51
	Purity	60.46	60.24
Massecuite D	Brix %	Nil	Nil
	Purity	Nil	Nil
Molasses A Heavy	Brix %	79.17	80.66
	Purity	73.41	73.25
A Light	Brix %	73.04	74.37
	Purity	91.05	89.93

Particulars		This Season 2017-18	Last Season 2016-17
B heavy	Brix %	81.85	82.47
	Purity	53.41	53.23
B Light	Brix %	Nil	Nil
	Purity	Nil	Nil
C Heavy	Brix %	Nil	Nil
	Purity	Nil	Nil
C Light	Brix %	78.68	79.88
	Purity	66.04	68.39
D Light	Brix %	Nil	Nil
	Purity	Nil	Nil
SUGAR AVERAGE			
White Sugar	Sugar %	99.80	99.80
	Moisture %	00.03	00.03
Raw Sugar	Sugar %	Nil	Nil
	Moisture %	Nil	Nil
Final Molasses	Sugar %	26.57	27.92
	Brix %	80.43	84.54
	Purity	33.03	33.03
Bagasse	Sugar %	02.96	02.79
	Water %	49.31	49.87
	Fibre %	46.75	46.38
Filter cake	Sugar %	01.33	01.30
Lime Kiln gas Co2		Nil	Nil
Boiler feed Water Temperature °c		86	86
	PH	9.50	9.50
Clear Juice Temperature °c		98	98
	PH	7.0	7.0
10)	MILL EXTRACTION ,BOILING HOUSE EXTRACTION AND OVERALL EXTRACTION.		
	Mill Extraction	93.76	92.79
	Reduced Mill Extraction	93.83	92.90
	Boiling House Extraction	88.41	85.41
	Reduced Boiling House Extraction		
	a) Gundu Rao	90.49	89.74
	b) Noel Deer	90.91	90.05
	Overall Extraction	82.88	79.26
	Reduced overall Extraction		
	a)Gundu Rao	84.91	83.37
	b)Noel Deer	85.30	83.66
11)	SUGAR BALANCE		
	Sugar in Cane	12.79	10.56
	Sugar in mixed Juice	11.99	09.80
	Sugar in Bagasse	00.80	00.76
	Sugar in Filter cake	00.04	00.04
	Sugar in Final Molasses	01.31	01.30
	Sugar in Sugar	10.60	08.37
	Sugar Undetermined	00.04	00.09
	Total Losses (in bagasse, filter cake, molasses, undetermined)	02.19	02.19

	Particulars	This Season 2017-18	Last Season 2016-17
12)	AREA AND YIELD OF CANE IN FACTORY FARM		
	Total Area of Farm (Hectors)	17.45	17.45
	Area Under cane (Hectors)	03.20	-
	Production of cane (Qtls.)	1469.35	-
	Average Yield per (Hectors) (Qtls.)	46.00	-
	Average Variety		-
	a) Plant (Hectors)Qtls.	03.20	-
	b) Adsali (Hectors) Qtls.	-	-
	c) Ratoon (Hectors)Qtls.	-	-

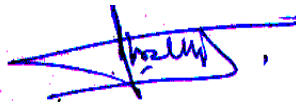
We hereby declare that, the figures given in this return are complete and true to the best of our knowledge and belief.



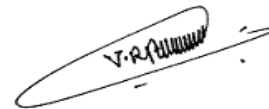
S. B. HADAKE
MFG CHEMIST



V.K.TATHE
Dy. CHIEF CHEMIST



K. R. ATHARE
PRODUCTION MANAGER



J. R. PAWAR
MANAGING DIRECTOR

- NOTES:-a) Out Station Cane is Weighed and Purchased at center other than at the Factory gate.
b) For carbonation Factory only.
c) In case of three massecuite system Brix and Purities of C heavy and D molasses are not to be given.
d) Sugar means ' Direct Pol ' .
e) Bagasse % cane = 100 + Added water % cane - Gross mixed Juice % cane.
f) Gross season means the Total No. of days from the date of start to the date of close both days inclusive.
g) Duration of Season : This is calculated by dividing the total Hrs. actual crushing by 22.
Return of This return must be Prepared for the entire working season of the factory and must be submitted so as to reach not later than 30 days after the date on which working season closed to the following authorities.
- 1) The central excise authorities .
 - 2) Director of sugar and Vanspati , New Delhi.
 - 3) Directorate of economics statistic , New Delhi.
 - 4) National sugar Institute, Kanpur.

REMARKS:

- SUGAR:**
- 1) *317 Bags of Brown sugar weighing 317 Qtls. are included in the production of season 2017-18 as contains more than 90% pol.
 - 2) ** 247.60 Qtls. of sugar recovered from 275Qtls. (275 bags) of Brown sugar of season 2016-2017.

- MOLASSES:** 1) *** 28.63 Qtls. Molasses recovered from 275Qtls. (275 bags) of Brown sugar of season 2016-17.

SHRI VRIDHESHWAR SAHAKARI SAKHAR KARKHANA LTD. ADINATHNAGAR.
Additional Information Of Efficiencies For The Season 2017-2018 and 2016-2017

Sr. No.	Particulars	This Season 2017-2018	Last Season 2016-2017
1	Mill Extraction	93.76	92.79
2	Boiling House Extraction	88.41	85.41
3	Overall Extraction	82.88	79.26
4	Reduced Mill Extraction	93.83	92.90
5	Undiluted juice lost % Fibre	44.97	47.39
6	Virtual purity of Final Molasses	34.00	36.05
7	Reduced Boiling House Extraction		
	a) By Gundu Rao	90.49	89.74
	b) By Noel Deer	90.91	90.05
8	Reduced Overall Extraction		
	a) By Gundu Rao	84.91	83.37
	b) By Noel Deer	85.30	83.66
9	Added water % Fiber	191.20	206.16
10	Added water extracted in M.J. % Added water	75.79	99.37
11	Crushing Rate (M.T. / 22 Hrs.)		
	a) Including Stoppages	2437.799	1385.914
	b) Excluding Stoppages	2630.498	1883.343
12	Crushing Rate (M.T/24Hrs.)		
	a) Including stoppages	2659.395	1511.906
	b) Excluding stoppages	2869.634	2054.555
13	a) Sanction Capacity TCD	2500.000	2500.000
	b) Installed Capacity TCD	2500.000	2500.000
14	E.R.Q.V.		
	a) M.J./P.J.	96.41	96.03
	b) L.M.J./P.J.	81.32	83.78
15	Molasses Production Actual % Theo.	100.04	105.28
16	Hrs. Lost % Hrs. Available	07.33	26.41
17	Java Ratio	82.04	76.36
18	a) Clarification Efficiency	95.11	96.80
	b) Clarification Factor	04.89	03.20
19	Massecuite % Cane		
	A- Massecuite	23.36	18.71
	B-Massecuite	10.65	08.42
	C- Massecuite	09.97	07.69
	Total Massecuite % Cane	43.98	34.82

	Particulars	This Season 2017-2018	Last Season 2016-2017
20	Total Fuel in terms of std bagasse of 45 % moisture % cane	22.26	23.82
21	Total extra fuel in terms of std bagasse of 45% moisture % cane	22.28	23.95
22	a) Capacity utilization % on the basis of Gross crushing days.	106.03	59.37
	b) Capacity utilization % against available Hrs	97.51	55.44
23	Bagasse Data (M.T.)	152.790	-
	5.1 Bagasse Sold before start of season		
	5.2 Opening Balance of bagasse at the Start of season	Nil	235.000
	5.3 Production of bagasse during season	135941.562	26359.451
	5.4 Bagasse Purchased from outside	Nil	Nil
	5.5 Total Bagasse Available (5.2 +5.3 +5.4)	135941.562	26594.451
	5.6 Bagasse used as a Fuel for Sugar Factory	124549.832	26261.591
	5.7 Bagasse used as a Fuel for paper plant.	Nil	Nil
	5.8 Bagasse used as a Fuel for ancillary unit.	Nil	Nil
	5.9 Bagasse used as a Fuel for other.	Nil	Nil
	5.10 Total Bagasse used as fuel (5.6 + 5.7 + 5.8 + 5.9)	124549.832	26261.591
	5.11 Bagasse Saved (5.5-5.10)	11391.730	332.860
	5.12 Baled Bagasse Sold	7362.330	-
	5.13 Loose Bagasse Sold.	3275.400	107.860
	5.14.Closing Balance at the Closure of Season 5.11-(5.12+5.13)	754.000	225.000
	5.15. Extra Fuel in Terms of Standard Bagasse % cane.	00.02	00.13
24	Electricity Generation (KWH) :		
	6.1 Units Generated by T.G. set.	8467173	4024309
	6.2 Units generated by D.G. Set.	7950	18925
	6.3 Units Purchased from M.S.E.B./Other Agencies.	25621	64160
	6.4 Total Units generated & Purchased	8500744	4107394
25	Electricity Consumption (KWH):	8261904	3969118
	7.1 Sugar Factory		
	7.2 Distillery & ENA Plant	-	-
	7.3 Chemical Plant	-	-
	7.4 Paper Plant	-	-
	7.5 Office & Colony	238840	138276
	7.6 Any Other (Please Specify)	-	-
26	Co- Generation :	No	No
	8.1 Co-Generation of Surplus Electricity (Yes/No.)		
	8.2 Units Supplied to the State Grid during season	-	-
27	Steam Generation :	249100.464	111295.494
	9.1 Live Steam Production (M.T.)		
	9.2 Pressure (Kg/cm ²)	32 & 21	32&21
	9.3 Temperature (°C)	380+-15	380+-15
28	Steam Consumption % Cane :		
	10.1 Power House	23.82	24.94
	10.2 Mill House & Cane Preparation	17.23	15.46
	10.3 Bleeding	6.17	05.28
	10.4 Miscellaneous	02.24	01.78
	10.5 By – Product Units	-	-
	10.6 Total Steam Consumption % Cane	49.46	47.46

29 | **Sugar Grades**

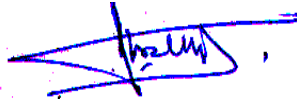
Grade	Season 2017-2018		Last Season 2016-2017	
	Quintals	%	Quintals	%
L-30	-	-	-	-
M-30	133600	24.97	32375	39.77
S-30	401175	74.97	48900	60.06
Brown sugar	317	00.06	275	00.17
Total	535092	100.00	81550	100.00



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MFG CHEMIST



V.K.TATHE
Dy. CHIEF CHEMIST



K. R. ATHARE
PRODUCTION MANAGER



J. R. PAWAR
MANAGING DIRECTOR

**SHRI VRIDHESHWAR SAHAKARI SAKHAR KARKHANA LTD., ADINATHNAGAR
TAL. PATHARDI, DIST. AHMEDNAGAR (M.S.)**

Name & Address of Managing Agent

- 1) **Managing Director**
- 2) **General Manager**
- 3) **Assistant Secretary**
- 4) **Factory Manager**
- 5) **Production Manager**
- 6) **Dy. Chief Chemist**
- 7) **Chief Engineer**
- 8) **Chief Agriculture Officer**
- 9) **Agriculture Officer**
- 10) **Dy. Chief Engineer**
- 11) **Dy. Chief Engineer**

Co-Operative

- Shri J. R. Pawar**
- Shri B. M. Gore**
- Shri R.J. Mahajan**
- Shri N. D. Nalage**
- Shri K. R. Athare**
- Shri V.K.Tathe**
- Shri R. S. Narote**
- Shri K.S. Dhamal**
- Shri K.T.Akolkar**
- Shri A.B.Lawande**
- Shri R.R.Barde**