



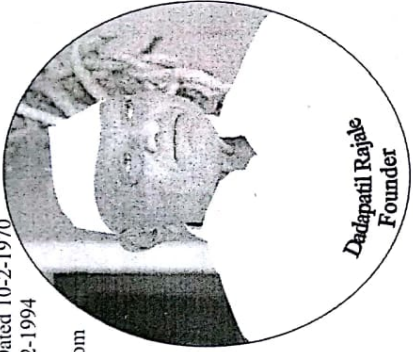
**SHRI VRIDHESHWAR SAHAKARI SAKHAR
KARKHANA LTD., ADINATHNAGAR**

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
Gram - Adisugar
Email : vridheshwar@gmail.com

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



*Dadapatil Rajale
Founder*

SHRI APPASAHEB DADABA RAJALE PATIL
(Ex. M.L.A.)
CHAIRMAN

Ref No. VSSK/MFG/2016-17/2273

DATE : 03/01/2017

To,

Sub: FINAL MANUFACTURING REPORT IN THE FORM
R.T.8(C) FOR THE SEASON 2016-2017.

Dear Sir,

Please find enclosed here with the final manufacturing Report in the form R.T. 8 (c) for the season 2016-2017 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-I
Range : Town & Rural-I (City)
Circle : Nashik - II.

Final Manufacturing Report For the

Season 2016-2017

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 2016-17	Last Season 2015-16
1	TIME ACCOUNT		
	Date of Start	06.11.2016	13.11.2015
	Date of Finish	@16.00 Hrs.	@11.00 Hrs.
		09.01.2017	01.03.2016
		@11.50 Hrs.	@12=00 Hrs.
	Gross Season (days) (f)	65	110
	Duration of season (days) (g)	51.23	99.25
	Total Hours actual crushing	1127.00	2183.50
	Total Hours Lost	404.50	421.00
	1) Cane Shortage	400.00	360.50
	2) Mechanical & Electrical	03.50	20.75
	3) Process	Nil	Nil
	4) Misc.	01.00	5.25
	5) Cleaning (General)	Nil	34.50
2	CANE CRUSHED		
	1) Own Estate Cane (Qtls.)	-	50.59
	2) Gate Cane (Share Holders) (Qtls.)	118630.43	468429.23
	3) Gate Cane (Non Share Holders) (Qtls.)	10937.32	25128.73
	4) Out Station Cane (Qtls.)	835217.26	1851242.44
	a) Rail Cane	-	-
	b) Other than rail Cane	-	-
	5) Total (Qtls.)	964785.01	2344850.99
3	JUICE & ADDED WATER		
	1) Average gross mixed juice% cane	98.80	97.17
	2) Correction % mixed juice	00.48	00.48
	3) Average net mixed juice % cane	98.32	96.71
	4) Total net mixed juice obtd.(Qtls.)	948584.43	2267666.79
	5) Average added water % cane	26.12	24.29
4	SUGAR		
	1) Total Sugar bagged		
	a) No. of bags white sugar (50 kgs.)	162550	474600
	b) No. of bags Raw sugar (50 kgs.)	Nil	Nil
	c) Brown sugar (100 kgs.)	*275	*711
	d) Dust and rori	-	-
	Total	162825	475311

2)Qty. in Qtls.	81550	238011.00
Particulars	This Season 2016-17	Last Season 2015-16
Sugar in Process if any (Qtls)	-	-
Total sugar made (Qtls)	81550	238011
Sugar recovered from Previous Season Brown Sugar (Qtls.) (-)	**635.93	**384.62
Total Net sugar made (Qtls)	80914.07	237626.38
MOLASSES		
Total molasses sent out (Qtls)	45002.50	107190.00
molasses in process if any(Qtls)	Nil	Nil
Total molasses Produced (Qtls)	45002.50	107190.00
molasses recovered from Previous season Brown sugar (Qtls) (-)	***66.67	***44.16
Total net molasses Produced (Qtls)	44935.83	107145.84
RECOVERY		
Average recovery of sugar % cane		
a) Excluding binding material	08.39	10.13
b) Average Production of final molasses % cane	04.66	04.57
BAGASSE % CANE		
Filter cake % cane	03.30	03.60
STORE USED		
a) Coal % cane	Nil	Nil
b) Fire wood % cane		
1) Trial	Nil	Nil
2) Season	0.10	0.07
c) Other Fuel % cane (Furnace oil)		
1) Trial	Nil	Nil
2) Season	Nil	Nil
d) Bagasse		
1) Trial	Nil	Nil
2) Season	27.22	26.37
e) For Previous off season		
1) coal	Nil	Nil
2) Fire wood	Nil	Nil
3)Other Fuel (Furnace Oil)		
f) Lime % cane	0.15	0.15
1)Process	0.13	0.13
2)Spray Water + E.T.P.	0.02	0.02
3)Lime Stone(b)% cane	Nil	Nil
coke (b) % cane	Nil	Nil
g) Sulphur % cane	0.06	0.05
h) Lubricant % cane (Oil, Grease)(Ltrs., Kgs.)per 100 Qtls. cane		
i) Oil	0.96	1.10
ii) Grease	0.01	0.02
Filter Cloth sq. meter per 100 Qtls. cane	Nil	Nil

Particulars	This Season 2016-17	Last Season 2015-16
P.P. bags 50kgs for sugar No. Per 100 Qtls. cane	16.85	20.24
Jute bags 50 kgs. for Sugar No. Per 100 Qtls. cane	Nil	Nil
Washing Soda Kgs. /100 Qtls cane	0.06	00.05
Caustic Soda Kgs /100 Qtls cane	0.35	00.25
Ammonium bifluoride Kgs /100 Qtls. cane	0.05	00.05
Bleaching Powder Kgs / 100 Qtls. cane	0.005	Nil
Ortho Phosphoric acid % cane	0.002	0.004
Hydros Kgs /100 Qtls. cane	Nil	Nil
Mill Sanitation chemical Ltrs. /100 Qtls cane	0.26	0.26
Filter aids Kgs /100 Qtls cane	Nil	Nil
ANALYSIS		
Cane	10.56	12.36
Sugar % Cane	12.67	12.65
Fiber % Cane	13.83	14.65
Primary juice	17.06	17.89
Brix %	81.07	81.89
Purity	09.97	11.92
Mixed Juice	12.55	14.84
Brix %	79.44	80.32
Purity	03.52	03.44
Last mill juice	4.73	04.60
Brix %	74.41	74.78
Purity	11.63	12.89
Clear Juice	14.61	16.02
Brix %	79.60	80.46
Purity	Nil	Nil
Filter Press Juice	Nil	Nil
Sugar %	Nil	Nil
Brix %	Nil	Nil
Purity	Nil	Nil
Unsulphured Syrup	Nil	Nil
Sugar%	Nil	Nil
Brix %	Nil	Nil
Purity	Nil	Nil
Sulphured Syrup	40.77	39.05
Sugar%	50.98	48.38
Brix %	79.97	80.72
Purity		
MASSECUITES		
Masseccuite A	89.90	90.20
Brix %	86.51	88.23
Purity	94.47	92.88
Masseccuite B	73.21	73.28
Brix %	99.51	99.19
Purity	60.24	60.14
Masseccuite C	Nil	Nil
Brix %	Nil	Nil
Purity	80.66	79.82
Molasses A Heavy	73.25	73.31
Brix %	74.37	74.11
Purity	89.93	88.50
Molasses A Light		
Brix %		
Purity		

Particulars	This Season 2016-17	Last Season 2015-16
B heavy	Brix % 82.47 Purity 53.23	82.38 53.70
B Light	Brix % Nil Purity Nil	Nil Nil
C Heavy	Brix % Nil Purity Nil	Nil Nil
C Light	Brix % 79.88 Purity 68.39	79.74 66.67
D Light	Brix % Nil Purity Nil	Nil Nil
SUGAR AVERAGE		
White Sugar	Sugar % 99.80 Moisture % 00.03	99.80 00.03
Raw Sugar	Sugar % Nil Moisture % Nil	Nil Nil
Final Molasses	Sugar % 27.92 Brix % 84.54 Purity 33.03	28.47 83.62 34.05
Bagasse	Sugar % 02.79 Water % 49.87 Fibre % 46.38	03.09 49.24 46.63
Filter cake	Sugar % 01.30	1.25
Lime Kiln gas Co2	Nil	Nil
Boiler feed Water Temperature °c	86	86
PH	9.50	9.5
Clear Juice Temperature °c	98	98
PH	7.0	7.0
10) MILL EXTRACTION ,BOILING HOUSE EXTRACTION AND OVERALL EXTRACTION.		
Mill Extraction	92.79	93.21
Reduced Mill Extraction	92.90	93.30
Boiling House Extraction	85.41	87.76
Reduced Boiling House Extraction		
a) Gundu Rao	89.74	91.50
b) Noel Deer	90.05	91.19
Overall Extraction	79.26	81.80
Reduced overall Extraction		
a)Gundu Rao	83.37	85.37
b)Noel Deer	83.66	85.08
SUGAR BALANCE		
Sugar in Cane	10.56	12.36
Sugar in mixed Juice	09.80	11.52
Sugar in Bagasse	00.76	00.84
Sugar in Filter cake	00.04	00.04
Sugar in Final Molasses	01.30	01.30
Sugar in Sugar	08.37	10.11
Sugar Undetermined	00.09	00.07
Total Losses (in bagasse, filter cake, molasses, undetermined)	02.19	02.25
11)		

Particulars	This Season 2016-17	Last Season 2015-16
12) AREA AND YIELD OF CANE IN FACTORY FARM		
Total Area of Farm (Hectors)	17.45	17.45
Area Under cane (Hectors)	-	00.20
Production of cane (Qtls.)	-	50.59
Average Yield per (Hectors) (Qtls.)	-	252.95
Average Variety	-	-
a) Plant (Hectors)Qtls.	-	-
b) Adsali (Hectors) Qtls.	-	-
c) Ratoon (Hectors)Qtls.	-	252.95

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) *275 Bags of Brown sugar weighing 275 Qtls. are included in the production of season 2016-17 as contains more than 90% pol.
2) ** 635.93 Qtls. of sugar recovered from 711Qtls. (711 bags) of Brown sugar of season 2015-2016.

MOLASSES: 1) *** 66.67 Qtls. Molasses recovered from 711Qtls. (711 bags) of Brown sugar of season 2015-16.

SHRI VRIDHESHWAR SAHAKARI SAKHAR KARKHANA LTD. ADINATHNAGAR.
Additional Information Of Efficiencies For The Season 2016-2017 and 2015-2016

Sr. No.	Particulars	This Season 2016-2017		Last Season 2015-2016	
1	Mill Extraction	92.79		93.21	
2	Boiling House Extraction	85.41		87.76	
3	Overall Extraction	79.26		81.80	
4	Reduced Mill Extraction	92.90		93.30	
5	Undiluted Juice lost % Fibre	47.39		49.51	
6	Virtual purity of Final Molasses	36.05		33.31	
7	Reduced Boiling House Extraction				
	a) By Gundu Rao	89.74		91.50	
	b) By Noel Deer	90.05		91.19	
8	Reduced Overall Extraction				
	a) By Gundu Rao	83.37		85.37	
	b) By Noel Deer	83.66		85.08	
9	Added water % Fiber	206.16		192.02	
10	Added water extracted in M.J. % Added water	99.37		67.68	
11	Crushing Rate (M.T. / 22 Hrs.)				
	a) Including Stoppages	1385.914		1980.677	
	b) Excluding Stoppages	1883.343		2362.570	
12	Crushing Rate (M.T./24Hrs.)				
	a) Including stoppages	1511.906		2160.738	
	b) Excluding stoppages	2054.555		2577.349	
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.	96.03		96.25	
	b) L.M.J./P.J.	83.78		83.03	
15	Molasses Production Actual % Theo.	105.28		90.35	
16	Hrs. Lost % Hrs. Available	26.41		16.16	
17	Java Ratio	76.36		84.37	
18	a) Clarification Efficiency	96.80		95.34	
	b) Clarification Factor	03.20		04.66	
19	Masseccuite % Cane				
	A- Masseccuite	18.71		22.79	
	B- Masseccuite	08.42		10.15	
	C- Masseccuite	07.69		09.19	
	Total Masseccuite % Cane	34.82		42.13	

Particulars	This Season 2016-2017	Last Season 2015-2016
20 Total Fuel in terms of std bagasse of 45 % moisture % cane	23.82	23.73
21 Total extra fuel in terms of std bagasse of 45% moisture % cane	23.95	23.81
22 a) Capacity utilization % on the basis of Gross crushing days.	59.37	85.27
b) Capacity utilization % against available Hrs	55.44	79.22
23 Bagasse Data (M.T.)	-	13,830
5.1 Bagasse Sold before start of season		
5.2 Opening Balance of bagasse at the Start of season	235,000	1586,170
5.3 Production of bagasse during season	26359,451	63596,280
5.4 Bagasse Purchased from outside	Nil	Nil
5.5 Total Bagasse Available (5.2 + 5.3 + 5.4)	26594,451	65182,450
5.6 Bagasse used as a Fuel for Sugar Factory	26261,591	61830,830
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)	26261,591	61830,830
5.11 Bagasse Saved (5.5-5.10)	332,860	3351,620
5.12 Baled Bagasse Sold	-	2679,040
5.13 Loose Bagasse Sold.	107,860	437,580
5.14 Closing Balance at the Closure of Season 5.11-(5.12+5.13)	225,000	235,000
5.15. Extra Fuel in Terms of Standard Bagasse % cane.	00.13	00.08
24 Electricity Generation (KWH) :	1953120	4024309
6.1 Units Generated by T.G. set.	9150	18925
6.2 Units generated by D.G. Set.	37940	64160
6.3 Units Purchased from M.S.E.B./Other Agencies.	2000210	4107394
6.4 Total Units generated & Purchased	1915988	3969118
25 Electricity Consumption (KWH):		
7.1 Sugar Factory	-	-
7.2 Distillery & ENA Plant	-	-
7.3 Chemical Plant	-	-
7.4 Paper Plant	-	-
7.5 Office & Colony	84222	138276
7.6 Any Other (Please Specify)	-	-
Co- Generation :	No	No
8.1 Co-Generation of Surplus Electricity (Yes/No.)		
8.2 Units Supplied to the State Grid during season	45957,784	111295,494
27 Steam Generation :		
9.1 Live Steam Production (M.T.)	32	32&21
9.2 Pressure (Kg/cm ²)	380+-15	380+-15
9.3 Temperature (°C)	27.50	24.94
28 Steam Consumption % Cane :		
10.1 Power House	14.00	15.46
10.2 Mill House & Cane Preparation	05.60	05.28
10.3 Bleeding	00.54	01.78
10.4 Miscellaneous	-	-
10.5 By - Product Units	-	-
10.6 Total Steam Consumption % Cane	47.64	47.46

29	Sugar Grades	Season 2016-2017		Last Season 2015-2016	
		Quintals	%	Quintals	%
	L-30	-	-	-	-
	M-30	32375	39.77	94950	39.89
	S-30	48900	60.06	142350	59.81
	Brown sugar	275	00.17	711	00.30
	Total	81550	100.00	238011	100.00



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PRODUCTION MANAGER



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MANAGING DIRECTOR

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

Name & Address of Managing Agent

Co-Operative

- 1) Managing Director
Shri J. R. Pawar
- 2) General Manager
Shri B. M. Gore
- 3) Assistant Secretary
Shri R.J. Mahajan
- 4) Factory Manager
Shri N. D. Nalage
- 5) Production Manager
Shri K. R. Athare
- 6) Dy. Chief Chemist
Shri V.K. Tathe
- 7) Chief Engineer
Shri R. S. Narote
- 8) Chief Agriculture Officer
Shri K.S. Dhamal
- 9) Agriculture Officer
Shri K.T. Akolkar
- 10) Dy. Chief Engineer
Shri A.B. Lawande