



# NAVA BHARAT VENTURES LIMITED

SUGAR DIVISION, SAMALKOT - 533 440, EAST GODAVARI DIST., A.P.

NAVA BHARAT

## OPERATIONAL DATA OF THE COMPANY'S SUGAR DIVISION FOR THE MONTH OF DECEMBER 2014 Monthly Manufacturing Report No - 1

Season: 2014/2015

Name & Address of Factory :

For the Month of: December -2014  
NAVA BHARAT VENTURES LTD,  
SUGAR DIVISION, Samalkot - 533 440.  
East Godavari District.

Crushing for the season started at 06.00 p.m on 06/12/14.

Regd.No. of Factory

3013

Clarification Process Used:

Double Sulphitation

SL.No	PARTICULARS	For the	Since Beginning
		month	of Season
<b>1</b>	<b>CANE CRUSHING:</b>		
	Date & Time of Commencement of Season	<b>06-12-2014 @ 06.00 pm.</b>	
	Duration of Run Days	26	26
	Total No.of hours in duration of run	610.00	610.00
	No.of hours actual crushing	606.00	606.00
	Total Cane Milled (Qtls)	768690	768690
<b>2</b>	<b>Juice &amp; Added Water:</b>		
	Average gross mixed juice % Cane	103.51	103.51
	Correction % mixed juice	0.5000	0.5000
	Average net mixed juice % Cane	103.00	103.00
	Total net mixed juice obtained (Qtls)	791711.55	791711.55
	Average added water % Cane	29.99	29.99
<b>3</b>	<b>SUGARS:</b>		
	Total Sugar bagged (no.of 100kg bags)	0.00	0.00
	Total Sugar bagged (no.of 50kg bags)	132540.00	132540.00
	Qty of sugar bagged (qtls)	66270.00	66270.00
	Qty of sugar in process (a) (qtls) (+)	6301.150	6301.150
	Total Sugar made (qtls)	72571.150	72571.150
	Sugar recovered from previous month process	0.000	0.000
	Sugar recovered from previous seasons process	93.99	93.99
	sugar recovered from previous season's - C-SUGAR	0	0
	sugar recovered from previous season's -Wet &damaged sugar	1489.857	1489.857
	Total net Sugar made (qtls)	70987.305	70987.305
<b>4</b>	<b>MOLASSES:</b>		
	Total molasses sent out (qtls)	26160.000	26160.000
	Qty of molasses in process (A) (qtls) (+)	5663.787	5663.787
	Total molasses produced (qtls)	31823.787	31823.787
	Molasses recoverd from previous month process	0.000	0.000
	Molasses recovered from previous season's process	45.537	45.537
	Molasses recovered from previous season's C-SUGAR (qtls)	0.000	0.000
	Molasses recovered from Wet & Damaged sugar (qtls)	25.775	25.775
	Total net molasses produced (qtls)	31752.475	31752.475
<b>5</b>	<b>RECOVERY:</b>		
	Average recovery of sugar % cane	9.24	9.24
	Average production of final molasses % cane	4.12	4.12
<b>6</b>	<b>BAGASSE:</b>		
	Bagasse percent cane	26.48	26.48
	Filter cake percent cane	3.21	3.21
	Gross weight of mixed juice (qtls)	795690.00	795690.00
	Weight of Dirt mixed juice (qtls)	3978.45	3978.45

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Corporate Identity No. : L27101AP1972PLC001549

ISO 9001

ISO 14001

NAVA BHARAT VENTURES LIMITED

Continuation Sheet

S.No.	PARTICULARS	For the	Since Beginning	
		month	of Season	
<b>7</b>	<b>ANALYSIS</b>			
	CANE	Sugar percent	11.00	11.00
		Fibre percent	13.17	13.17
	Primary juice	Sugar percent	12.92	12.92
		Brix percent	16.16	16.16
		Purity	79.95	79.95
	Mixed Juice	Sugar percent	10.30	10.30
		Brix percent	13.07	13.07
		Purity	78.81	78.81
	Last Juice	Sugar percent	1.38	1.38
		Brix percent	1.97	1.97
		Purity	70.05	70.05
	Clarified Juice	Sugar percent	10.39	10.39
		Brix percent	13.09	13.09
		Purity	79.37	79.37
	UnSulphered Syrup	Sugar percent	50.86	50.86
		Brix percent	65.43	65.43
		Purity	79.98	79.98
	Sulphered Syrup	Sugar percent	51.92	51.92
		Brix percent	64.92	64.92
		Purity	79.79	79.79
	Masseccuite	A Brix percent	92.61	92.61
		Purity	82.80	82.80
		B Brix percent	95.60	95.60
		Purity	68.74	68.74
		C Brix percent	99.66	99.66
		Purity	51.71	51.71
	<b>Molasses (B)</b>			
	A Heavy	Brix percent	81.18	81.18
		Purity	69.82	69.82
	A Light	Brix percent	68.78	68.78
		Purity	90.56	90.56
	B Heavy	Brix percent	83.46	83.46
		Purity	46.78	46.78
	C Light	Brix percent	80.11	80.11
		Purity	67.18	67.18
	Sugars (Average)	Sugar Percent (c)	99.80	99.80
		Moisture percent	0.04	0.04
	Final Molasses	Sugar Percent	29.61	29.61
		Brix percent	91.98	91.98
		Purity	32.19	32.19
	Bagasse	Sugar Percent	1.49	1.49
		Water Percent	48.10	48.10
		Fibre Percent	49.76	49.76
	Filter Cake	Sugar Percent	2.14	2.14
	Boiled Feed Water	<b>pH</b>	9.00	9.00
	Boiled Feed Water	Temperature Deg C	105.00	105.00
	Clear Juice	Temperature Deg C	96.00	96.00

<b>8</b>	Qty. of other materials Used 14-15 Season.			
	Scrapings	HL	100.00	100.00
	Wet & Damaged sugar	Qtls	1520.00	1520.00
	C-Sugar	Qtls	0.00	0

**9 ANALYSIS OF OTHER MATERIALS USED SINCE BEGINING OF THE SEASON**

	Wet & Damaged Sugar	C-Sugar	Scrapings
Sugar percent:	98.50		72.345
Brix percent:	99.55		91.00
Purity S.G. :	98.94		79.50
Available Sugar - Qtls	1489.857		93.988
Available Molasses - Qtls	25.775		45.537

**10 STOCK IN PROCESS AS ON: 01-01-2015 @4.00AM**

Basis: **FM Brix 92.63** **Pty 30.75**

SL. N	PARTICULARS	HL	BRIX	PURITY	AVAILABLE Sugar - QTLS	MOLASSES QTLS
a)	Clear juice ---	2016	12.80	79.95	192.797	84.811
b)	Syrup----	1700	57.60	80.28	891.940	383.356
c)	Remelt---	100	71.00	90.18	83.786	14.939
d)	Massecuite					
	A	380	91.40	87.43	423.903	101.525
	B	1050	96.60	67.51	822.857	785.170
	C	2090	98.80	51.50	955.464	2410.922
e)	Light Molasses					
	A	20	70.20	92.95	17.021	2.082
	C	60	69.20	66.93	29.143	28.758
f)	Heavy Molasses					
	A	66	79.60	71.71	43.825	32.680
	B	60	83.60	46.49	15.347	61.273
g)	Seed & footings	2750	88.20	80.20	2543.874	1099.717
h)	C-Boilings	630	93.80	52.60	281.193	658.554
i)	Sugar - unbagged	0				
	<b>TOTAL</b>				<b>6301.150</b>	<b>5663.787</b>

**1.1 SUGAR BALANCE**

<b>S.No</b>	<b>PARTICULARS</b>	<b>For the month</b>	<b>Since Beginning of the season</b>
<b>1</b>	Suagar in Cane	11.00	11.00
<b>2</b>	Sugar in mixed Juice	10.60	10.60
<b>3</b>	Sugar in Baggase	0.40	0.40
<b>4</b>	Sugar in Filtercake	0.07	0.07
<b>5</b>	Sugar in Molasses	1.25	1.25
<b>6</b>	Sugar in Sugars	9.22	9.22
<b>7</b>	Sugar Undetermined	0.06	0.06
<b>8</b>	Total losses (in bagasse, filter c molasses & undetermined)	1.78	1.78

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

**Date:** 03/01/2015



*N. Prabhakar*  
**N.Prabhakar**  
**VICE PRESIDENT**

## NAVA BHARAT VENTURES LIMITED, SAMALKOT.

Additional information to be appended to R.T. 7(c) for the month of December-2014

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		Hrs.Mts.
<b>1</b>	<b>Time Loss Account:</b>	
	1) Miscellaneous	0:00:00
	2) Cane shortage	0.00
	3) Mechanical troubles	0
	4) Electrical troubles/ins	4:00
	5) Holidays	0:00:00
	6) Cleaning	0:00:00
	7) Process	0.00
	Percent of hours lost to the available (for 610.00 Hrs )	0.656
<b>2</b>	<b>Rate of Crushing for 24 Hrs.:</b>	
	1) Including stoppages                      Tons	3024.35
	2) Excluding stoppages                      "	3044.32
	3) Installed/Licensed capacity	4000.00
<b>3</b>	<b>Efficiency figures:</b>	
	1) Mill extraction	96.41
	2) Reduced Mill extraction	96.62
	3) Added water % fibre	227.65
	4) Added water extracted into mixed juice % addod water	66.84
	5) Undiluted juice lost in bagasse % fibre	26.64
	6) Boiling house extraction	87.08
	7) Virtual purity of molasses	32.43
	8) Reduced Boiling House extraction	
	as per Noel Deerr:	91.53
	as per Gundurao	91.29
	9) Overall recovery	83.95
	10) Reduced Overall recovery	
	as per Noel Deerr	88.43
	as per Gundurao	88.20
	11) ERQV - MJ/PJ	97.74
	LMJ/PJ	80.73
<b>4</b>	<b>Masseccites boiled:</b>	
	'A' Masseccuite % cane	21.25
	'B' Masseccuite % cane	12.54
	'C' Masseccuite % cane	7.27
	Total	41.06
<b>5</b>	<b>Grades of Sugar bagged:</b>	
	I.S.S (Percentage of production)	-
	S-30	0.00
	S-31	32.93
	M-31	67.07
	L-30	-
	I-31	-
	<b>Total</b>	<b>100.00</b>

Date: 03/01/2015



*N. Prabhakar*  
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**VICE PRESIDENT**