

Form R.T. 8 (C)
(For Central Factories)

Short Name: Koppa
Code No.: 55501
Range: Maddur
Circle: Mandya

**FINAL MANUFACTURING REPORT
FOR THE SEASON 2004-2005
(Central Excise Rules 83)**

Name & Address of the Factory : S.C.M. SUGARS LIMITED, KOPPA - 571425
MADDUR TALUK, MANDYA DISTRICT.

Reg. No. of Factory: 08-26121

Clarification Process used: DOUBLE SULPHITATION

| SL. NO. | PARTICULARS | THIS SEASON | LAST SEASON |
|---------|---|-------------|-------------|
| 1 | TIME ACCOUNT | | |
| | Date of Start | 29.07.2004 | - |
| | Date of Finish | 31.03.2005 | - |
| | Gross Season (Days) | 246 | - |
| | Duration of Season (Days) (G) | 148-83 | - |
| | Total hours actual crushing | 3274-10 | - |
| | Total hours lost Hrs. Minutes | 2625-50 | - |
| | a) Cane storage " " | 2155-25 | - |
| | b) Mechanical " " | 67-35 | - |
| | c) Electrical " " | 18-35 | - |
| | d) Process " " | - | - |
| | e) Miscellaneous " " | 46-05 | - |
| | f) Cleaning " " | 140-15 | - |
| | g) Co-gen Plant " " | 197-55 | - |
| 2 | CANE CRUSHED | | |
| | a) Own Estate (Quintals) | 3420.01 | - |
| | b) Gate Cane " | 2623751.95 | - |
| | c) Total | 2627171.96 | - |
| 3 | JUICE & ADDED WATER | | |
| | Average gross mixed juice % cane | 104.79 | - |
| | Correction % mixed juice | 0.50 | - |
| | Average net mixed juice % cane | 104.27 | - |
| | Total net mixed juice obtained Qtls. | 2739388.43 | - |
| | Average added water % cane | 33.40 | - |
| | Gross mixed juice (Qtls) | 2753105.94 | - |
| | Dirt correction " | 13717.51 | - |


| SL. NO. | PARTICULARS | THIS SEASON | LAST SEASON |
|---------|--|---------------------|-------------|
| 4 | SUGAR (Qtls.) | | |
| | A) Total Sugar Bagged | 470609.00 | - |
| | B) Quantity | 470609.00 | - |
| | Sugar in process if any (Qtls.) | 10803.73 | - |
| | Total Sugar made | 481412.73 | - |
| | Sugar recovered from previous Season's process (Qtls.) | 480.62 | - |
| | Sugar from raw sugar reprocessing (Qtls.) | <u>248254.00</u> | - |
| | Total net sugar made (Qtls.) | 232678.11 | - |
| 5 | MOLASSES (Qtls.) | | |
| | Total molasses sent out Qtls. | 134333.70 + 10000 * | - |
| | Molasses in process " | 5412.30 | - |
| | Total molasses produced (Qtls.) | 149746.00 | - |
| | Molasses recovered from previous seasons process (-) (Qtls.) | <u>1066.00</u> | - |
| | Molasses from raw sugar reprocessing | 20720 + 10000 * | - |
| | Total net molasses produced (Qtls.) | 117960.00 | - |
| 6 | RECOVERY | | |
| | Average recovery of sugars % cane | 8.86 | - |
| | Average production of final molasses % cane | 4.49 | - |
| 7 | BAGASSE PERCENT IN CANE | 28.61 | - |
| | Filter cake % cane | 3.49 | - |
| 8 | STORE USED | | |
| | Fire wood % Cane | - | - |
| | Lime percent cane (process), Cooling Tower & ETP | 0.2 + 0.05 + 0.01 | - |
| | Sulphur % Cane | 0.07 | - |
| | LUBRICANTS | | |
| | Grease Kg. / 100 Qtls. of Cane | 0.02 | - |
| | Oil Ltrs. " " " | 0.78 | - |
| | Gunny bags No. per 100 Qtls. of Cane | 8.96 | - |
| | Phosphoric Acid in Kgs. per 100 Qtls. Cane | 0.35 | - |
| | Scale inhibitor " | 0.18 | - |
| | DeScalent " | 0.39 | - |
| | Flocculent (Magmafloc LT 27) " | 0.017 | - |
| | Mill Sanitation (Adorn B) " | 0.019 | - |
| | Viscosity Reducer (Pan Thrill) " | 0.021 | - |
| | Sodium Hexametaphosphate " | 0.034 | - |
| | Sodium Hydro Sulphite | 0.082 | - |
| | Hydrogen Peroxide | 0.005 | - |


* Due to Processing of Raw Sugar 1000 MT of Molasses was sent out excess by 31.03 2005

| SL. NO. | PARTICULARS | | THIS SEASON | LAST SEASON |
|---------|----------------------|----------------|-------------|-------------|
| 9 | ANALYSIS | | | |
| | Cane | Sugar percent | 10.82 | - |
| | | Fibre percent | 13.46 | - |
| | Primary Juice | Sugar percent | 13.24 | - |
| | | Brix percent | 16.49 | - |
| | | Purity percent | 80.29 | - |
| | Mixed Juice | Sugar percent | 9.85 | - |
| | | Brix percent | 12.47 | - |
| | | Purity | 78.89 | - |
| | Last Expressed Juice | Sugar percent | 1.78 | - |
| | | Brix percent | 2.53 | - |
| | | Purity | 70.36 | - |
| | Clarified Juice | Sugar percent | 9.96 | - |
| | | Brix percent | 12.74 | - |
| | | Purity | 78.18 | - |
| | Syrup | Sugar percent | 42.47 | - |
| | | Brix percent | 53.27 | - |
| | | Purity | 79.73 | - |
| | A. Massecuite | Brix percent | 91.21 | - |
| | | Purity | 88.03 | - |
| | B. Massecuite | Brix percent | 94.48 | - |
| | | Purity | 75.97 | - |
| | C. Massecuite | Brix percent | 98.62 | - |
| | | Purity | 56.02 | - |
| | MOLASSES | | | |
| | A. Heavy | Brix percent | 78.91 | - |
| | | Purity | 73.45 | - |
| | A. Light | Brix percent | 70.87 | - |
| | | Purity | 88.03 | - |
| | B. Heavy | Brix percent | 82.48 | - |
| | | Purity | 49.88 | - |
| | C. Light | Brix percent | 81.22 | - |
| | | Purity | 62.63 | - |
| | SUGAR (Average) | | | |
| | White sugar bagged | Sugar percent | 99.80 | - |
| | | Moist. percent | 0.04 | - |
| | Final Molasses | Sugar percent | 28.23 | - |
| | | Brix percent | 89.17 | - |
| | | Purity | 31.66 | - |
| | Bagasse | Sugar percent | 1.92 | - |
| | | Water percent | 50.30 | - |
| | | Fibre percent | 47.05 | - |
| | Filter Cake | Sugar percent | 2.76 | - |
| | Boiler Feed Water | pH | 9.80 | - |
| | | Temperature | 102 deg C | - |
| | Clear juice | Temperature | 95 deg C | - |

| SL. NO. | PARTICULARS | THIS SEASON | LAST SEASON |
|---------|--|-------------|-------------|
| | MILL EXTRACTION BOILING HOUSE EXTRACTION AND OVER ALL EXTRACTION | | |
| | Mill Extraction | 94.92 | - |
| | Reduced Mill Extraction (Noel deer) | 95.33 | - |
| | Whole Reduce Extraction (Mittle) | 95.92 | - |
| | Boiling House Extraction | 86.08 | - |
| | Reducing Boiling House Extraction (Noel deer) | 90.76 | - |
| | " (Gundu Rao) | 90.38 | - |
| | Over All Extraction | 81.71 | - |
| | Reduced overall Extraction (Noel deer) | 86.52 | - |
| | " (Gundu Rao) | 86.16 | - |
| | SUGAR BALANCE: Cane = 100 | | |
| | a) Sugar in Cane | 10.82 | - |
| | b) Sugar in Mixed Juice | 10.27 | - |
| | c) Sugar in Bagasse | 0.55 | - |
| | d) Sugar in Filter Cake | 0.09 | - |
| | e) Sugar in Final Molasses | 1.27 | - |
| | f) Sugar in Sugars | 8.84 | - |
| | g) Sugar undetermind | 0.07 | - |
| | h) Total losses | 1.98 | - |

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


(CH.L. Narasinga Rao)
Lab Incharge


(I. Bheemeswara Rao)
Manager (Process)


(S. BASAVAIAH)
CHIEF EXECUTIVE

ADDITIONAL INFORMATION ALONG WITH FINAL MANUFACTURING REPORT
FOR THE SEASON 2004-05

| SL. NO. | PARTICULARS | THIS SEASON | | LAST SEASON |
|---------|--|-----------------|----------|-------------|
| 1 | Mill Extraction | 94.92 | | |
| 2 | Reduced Mill Extraction (Deerr) | 95.86 | | |
| 3 | Whole Reduced Extraction (Mittal) | 95.92 | | |
| 4 | Boiling House Recovery | 86.08 | | |
| 5 | a) Reduced Boiling House Recovery (Deerr) | 90.76 | | |
| | b) Reduced Boiling House Recovery (Gundu Rao) | 90.38 | | |
| 6 | Overall Extraction | 81.71 | | |
| 7 | a) Reduced overall Extraction (Deerr) | 86.52 | | |
| | b) Reduced overall Extraction (Gundu Rao) | 86.16 | | |
| 8 | Virtual Purity of Final Molasses | 34.36 | | |
| 9 | Added Water % Fibre | 248.14 | | |
| 10 | Added Water Extracted in Mixed Juice % Added Water | 76.11 | | |
| 11 | Rate of Crushing M.T. for 24 Hours | | | |
| | a) Including Stoppage | 1068.80 | | |
| | b) Excluding Stoppage | 1925.74 | | |
| | c) Sanctioned Capacity | 3500.00 | | |
| 12 | E.R.Q.V | | | |
| | a) M.J. / P.J | 97.29 | | |
| | b) L.M.J. / P.J | 80.80 | | |
| 13 | Masseccuite % Cane | 40.50 | | |
| | a) A-Masseccuite % Cane | 21.50 | | |
| | b) B-Masseccuite % Cane | 10.00 | | |
| | c) C-Masseccuite % Cane | 9.00 | | |
| 14 | Total Hours Lost % to Available Hours due to : | | | |
| | a) Cane Shortage | 36.53 | | |
| | b) Mechanical | 1.15 | | |
| | c) Electrical | 0.32 | | |
| | d) Process | - | | |
| | e) Miscellaneous | 0.78 | | |
| | f) General Cleaning | 2.38 | | |
| | g) Co-gen | 3.35 | | |
| | h) Total Hours Lost % Available Hours | 44.51 | | |
| 15 | Grade wise Sugar Production | No. Bags | % | |
| | M-30 (Qtls.) | 51192 | 10.88 | |
| | S-30 (Qtls.) | 419417 | 89.12 | |
| | Total | 470609 | 100.00 | |