

| Basic Information | |
|-------------------------------------|--|
| Factory name: | Masihata Sweaters Ltd |
| Factory address: | South Panishail Bksp Kashimpur Gazipur |
| Factory Type: | Sweaters |
| Processes available in the factory: | Washing |
| Machine type: | |
| Total no of workers: | 6200 |
| Review Frequency: | Bi-anualy |

| Implementation Team | | | |
|-----------------------------|-----------------------|-------------------|--|
| Name | Designation | Contact Info | Responsibility or Area of contribution |
| ABM Muhsiuddin Shuvo | Deputy Manager | 1730333417 | Utlility |
| Jahirul Haque | Asst.Manager | 1921438400 | Lab& Chemical |
| | | | |

Baseline Analysis

| | |
|---------------------------------------|-------------|
| Base year: | 2015 |
| End Year: | 2018 |
| Total production of the base year: | 9507553 pcs |
| Total production of the Current year: | 9313138 pcs |

Base year consumption record (monthly basis)

| Name of the month | Production (Kg or piece) | Water (m3) | | | | |
|-------------------|--------------------------|------------|--|--|--|--|
| January | 598801 | 9032 | | | | |
| February | 300394 | 4530 | | | | |
| March | 474497 | 7157 | | | | |
| April | 764054 | 11524 | | | | |
| May | 891775 | 13450 | | | | |
| June | 885385 | 13355 | | | | |
| July | 863576 | 13025 | | | | |
| August | 1339286 | 18800 | | | | |
| September | 1458403 | 20140 | | | | |
| October | 910058 | 13726 | | | | |
| November | 784903 | 11838 | | | | |
| December | 236421 | 3566 | | | | |
| TOTAL | 9507553 | 140143 | | | | |

Water

| Sl. No. | Opportunities | Action to be taken | Savings/year) m ³ | Implementation Timeline |
|---------|---|--------------------|--|-------------------------|
| 1 | Installing water level indicator tube in Belly washing machines | Done | | |
| 2 | Rinse water reuse | Under processing | Water Savings: 5,774 m ³ /year | 2018 |
| 3 | Installation of new PLC in manual operated washing machines and proper use of presently installed PLC system. | Future plan | | 2018 |
| 4 | Installation of moisture sensor in hydro-extractors and dryers | Future plan | | 2018 |

| Executive Summary from project report | | | | | | | |
|---------------------------------------|--|-------------------------------|-----------------------------|--|---|---|-----------------------|
| Parameter | Annual Production (kg or ton or pcs) (Base year) | Baseline consumption (annual) | Future Consumption (annual) | Baseline KPI (consumption / production unit) | Future KPI (consumption/ production unit) | Potential savings amount (savings/ production unit) | Saving percentage (%) |
| Water (m ³) | 9507553 | 140145 | | 0.014740386 | 0 | 0.014740386 | 100 |

| Target Implementation Plan year by year | | | | | | | | |
|---|--|-------------------------|-------------------------------|-------------------------------|--|--|--|-----------------------|
| Year | Annual Production (kg or ton or pcs) (Base year) | Parameter | Baseline consumption (annual) | End year Consumption (annual) | Baseline KPI (consumption/production unit) | End year KPI (consumption/production unit) | Potential savings amount (savings/production unit) | Saving percentage (%) |
| 2016 | 9507553 | Water (m ³) | 140145 | 133000 | 0.014740386 | 0.013988878 | 0.000751508 | 5 |
| 2017 | | Water (m ³) | 140145 | | 0.014740386 | 0 | 0.014740386 | 100 |
| 2018 | | Water (m ³) | 140145 | | 0.014740386 | 0 | 0.014740386 | 100 |

Yearly Follow UP

| Year | Parameter | Implementing year's production | Baseline consumption (annual) | year ending actual Consumption (annual) | Baseline KPI (consumption/production unit) | Year ending KPI (consumption/production unit) | Total percentage of saving compare to base year |
|------|-------------------------|--------------------------------|-------------------------------|---|--|---|---|
| 2016 | Water (m ³) | 9313138 | 140143 | 135699 | 0.015047882 | 0.014570706 | 3 |
| 2017 | | | | | | | |
| 2018 | | | | | | | |