



**ENERGY SAVED AFTER INSTALLATION OF OUR MIST TYPE WATER JET VACUUM SYSTEM (MTWJVS) AT VARIOUS CLIENTS.
(SOME CASES OUT OF MANY ARE SUBMITTED)**

| Sr. No. | Client Name | Application | Vapour Load /Vacuum Achieved | System Given | Earlier Condensing and vacuum Equipment with Details and Energy consumed | Energy required after installation of MTWJVC / Mist Type Combo Vacuum System | Energy/ Steam saved due to MTWJVC | Saving in Rupees and Pay Back Period (PBP) |
|---------|--|----------------|------------------------------|-------------------------------|---|---|-----------------------------------|--|
| 1. | M/s Gujrat Ambuja Ltd, Mandsour | Lecithin Plant | 200Kgs/Hr / 20torr abs | Mist Type Combo Vacuum System | <u>Barometric Condenser with Steam Jet Ejector</u> a) Water Pump : Same b) Steam jet Ejector : 3.84 TPD <u>Total Power/Steam at Condensing Station :</u> Total Power : same Steam at condensing station : 3.84 TPD | <u>Mist Type Combo Vacuum System</u> a) Water Pump : Same b) Steam jet Ejector : 1.44 TPD <u>TotalPower/Steam at Condensing Station :</u> Total Power :Same Steam at condensing station : 1.44 TPD | 2.4TPD of steam saved | Rs.8 to 9 Lakhs Per Annum PBP: LESS THAN 1 YEAR |



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|---------|---|------------------------------|------------------------------|-------------------------------|---|--|-----------------------------------|---|
| 2. | M/S. CENTURY RAYON SHAHAD , DIST-THANE | Viscose Flash Dearator (FD) | 1036Kgs/Hr /5 Torr | Mist Type Combo Vacuum System | <u>Barometric Condenser with Steam Jet Ejector</u> a) Water Pump : Same b) Steam jet Ejector : 20 TPD <u>Total Power/Steam at Condensing Station :</u> Total Power : same Steam at condensing station : 20 TPD | <u>Mist Type Combo Vacuum System</u> a) Water Pump : Same b) Steam jet Ejector : 17.6 TPD <u>Total Power/Steam at Condensing Station :</u> Total Power :Same Steam at condensing station : 17.6 TPD | 2.4TPD of steam saved | Rs 17 to 18 lakhs saved per Year. PBP: LESS THAN 1YEAR |



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|---------|-----------------------|-------------|------------------------------|-------------------------------|---|---|--|--|
| 3. | M/s Century Enka Pune | Drier | 262 Kgs/Hr / 0.7 Torr abs | Mist Type Combo Vacuum System | <u>Barometric Condenser with Steam Jet Ejector</u> a) Water Pump : Same b) Steam jet Ejector : 6TPD c) Vacuum Pump: 3.7Kw/Hr <u>Total Power/Steam at Condensing Station :</u> Total Power : same Steam at condensing station : 6TPD | <u>Mist Type Combo Vacuum System</u> a) Water Pump : Same b) Steam jet Ejector : 5.4 TPD c) Vacuum Pump: Nil <u>Total Power/Steam at Condensing Station :</u> Total Power :Same Steam at condensing station : 5.4 TPD | 0.6 TPD of steam saved 3.7 Kw/Hr of Power Saved | Rs 7 to 8 lakhs saved per Year. PBP: LESS THAN 1 YEAR |

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|---------|--|-------------|------------------------------|--------------------------------------|--|---|-----------------------------------|--|
| 4. | M/S. FOODS FATS & FERTILISERS LTD. TADEPALLIGUDE M, W.G.D.T, AP. | Bleacher | 45 Kgs/Hr / 60 torr abs | Mist Type Water Jet Vacuum Condenser | <u>Barometric Condenser with Steam Jet Ejector</u> a) Water Pump : 3.5kw/hr b) Steam jet Ejector : 1.5 TPD <u>Total Power/Steam at Condensing Station :</u> Total Power :3.5kw/hr Steam at condensing station : 1.5 TPD | <u>MTWJVC only</u> a) Water Pump : 3.5kw/hr b) Steam jet Ejector : Nil <u>Total Power required :</u> 3.5kw/hr No Steam Required | 1.5 TPD of steam | Rs 4 to 5 lakhs saved per year PBP: LESS THAN 1 YEAR |

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|---------|--|-------------|--|--------------------------------------|---|--|-----------------------------------|--|
| 5. | M/S. KESORAM RAYON. WEST BENGAL , KOLKATTA | Evaporator | 2500Kgs/Hr per condenser. / 60 torr abs | Mist Type Water Jet Vacuum Condenser | <u>Barometric Condenser with Steam Jet Ejector</u> a) Water Pump : 18kw/hr x 5 Nos. b) Steam Jet Ejector : 5TPD Steam x 5 Nos. <u>Total Power/Steam at Condensing Station</u> : Total Power :90kw/hr Steam at condensing station : 25 TPD | <u>MTWJVC only</u> a) Water Pump : 18Kw/Hr x 5 Nos. b) Steam Jet Ejector : Not Required <u>Total Power required</u> : 90kw/hr No Steam Required | 25 TPD of steam saved | Rs 75 Lakhs saved per year PBP: LESS THAN 1 YEAR |

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|---------|--|-------------|------------------------------|--------------------------------------|---|--|-----------------------------------|--|
| 6. | M/s. SUKHJIT AGRO INDUSTRIES. DIST. UNA, H.P. | Evaporator | 850Kgs/Hr / 60 torr abs | Mist Type Water Jet Vacuum Condenser | <u>Barometric Condenser with Vacuum Pump.</u> a) Water Pump : 10kw/hr b) Vacuum Pump : 15kw/hr <u>Total Power Required</u> : 25kw/hr | <u>MTWJVC only</u> a) Water Pump : 10kw/hr b) Vacuum Pump : Nil <u>Total Power Required:</u> 15kw/hr | 15kw/hr Power Saved | Rs 5 to 6 lakhs saved per Year. PBP : Less than 1 Year |
| 7. | M/S. APCOTEX INDUSTRIES LTD. Dist. Raigad. | Reactor | 2000Kgs/Hr / 60 torr abs | Mist Type Water Jet Vacuum Condenser | <u>Barometric Condenser with Vacuum Pump.</u> a) Water Pump : 11kw/hr b) Vacuum Pump : 30kw/hr <u>Total Power Required</u> : 41kw/hr | <u>MTWJVC only</u> a) Water Pump : 11kw/hr b) Vacuum Pump : Nil <u>Total Power Required:</u> 11Kw/Hr | 30kw/hr Power Saved | Rs 10 to 11 lakhs saved per Year. PBP :Less than 1 year |

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