

**SIR SHADI LAL ENTERPRISES LIMITED**

**BOARD OF DIRECTORS** : Shri Onke Aggarwal-Chairman  
Shri Rajat Lal-Managing Director  
Shri Vivek Viswanathan-Joint Managing Director  
Shri Hemantpat Singhania  
Smt. Sudha Singhania  
Smt. Manjula Viswanathan  
Shri R.L. Srivastava  
Shri R.C. Sharma  
Shri P.K. Viswanathan

**COMPANY SECRETARY** : Shri Sunit Malhotra

**BANKERS** : State Bank of India  
Punjab National Bank

**AUDITORS** : Messrs. Basant Ram & Sons  
Chartered Accountants  
A-18, Nizamuddin East,  
Murli Marg, New Delhi-110 013

**REGISTERED OFFICE** : 4-A, Hansalaya, 15, Barakhamba Road,  
New Delhi-110 001

**MANUFACTURING UNITS** : Upper Doab Sugar Mills  
Shamli, Distt. Muzaffarnagar (U.P.)

Unn Sugar Complex  
Block Unn, Distt. Muzaffarnagar (U.P.)

Shamli Distillery & Chemical Works  
Shamli, Distt. Muzaffarnagar (U.P.)

Pilkhani Distillery & Chemical Works  
Pilkhani, Distt. Saharanpur (U.P.)



## SIR SHADI LAL ENTERPRISES LIMITED

Regd. Office : 4-A, Hansalaya, 15, Barakhamba Road, New Delhi-110 001

### NOTICE FOR THE 76TH ANNUAL GENERAL MEETING

Notice is hereby given that the 76th Annual General Meeting of the Shareholders of Sir Shadi Lal Enterprises Limited will be held on Friday, the 24th September, 2010 at 11.30 a.m. at P.H.D. House, Opposite Asian Games Village, New Delhi-110016 to transact the following business:

#### A. ORDINARY BUSINESS:

1. To receive, consider and adopt the Audited Balance Sheet as at 31st March, 2010, Profit & Loss Account for the year ended on that date, and the Reports of the Directors and Auditors thereon.
2. To declare dividend on Equity Shares for the year ended 31st March, 2010.
3. To appoint a Director in place of Shri R.C. Sharma, who retires by rotation and being eligible, offers himself for re-appointment.
4. To appoint a Director in place of Shri Hemantpat Singhania, who retires by rotation and being eligible, offers himself for re-appointment.
5. To appoint a Director in place of Smt. Manjula Viswanathan, who retires by rotation and being eligible, offers herself for re-appointment.
6. To appoint Auditors to hold the office from the conclusion of this meeting until the conclusion of the next Annual General Meeting and to fix their remuneration.

#### B. SPECIAL BUSINESS:

7. To consider and, if thought fit, to pass, with or without modification(s), the following Resolution as an Ordinary Resolution:

"RESOLVED that the consent of the Company be and is hereby accorded to the Board of Directors of the Company in terms of Section 293 (1) (a) and other applicable provisions, if any, of the Companies Act, 1956 to mortgage and/or charging all the immovable and movable properties of the Company, wheresoever situate, present and future and the whole of the undertakings of the Company and/or conferring power to enter upon and take possession of the assets of the Company, in certain events to or in favour of State Bank of India and Central Government for their Term Loan and Sugar Development Fund Loan for

modernisation of Unit Unn Sugar Complex as under:-

- |  |   |
|--|---|
| i) State Bank of India   | Rs. 420 Lacs and<br>Rs. 104 Lacs Bridge<br>Loan |
| ii) Central Government<br>(for Sugar Development<br>Fund Loan) | Rs. 336 Lacs                                    |

as security for the repayment of the above mentioned loan together with interest at the agreed rate, compound interest, additional interest, commitment charges, premium on prepayment or on redemption, cost, charges, expenses and all other moneys payable by the Company in terms of the loan agreements entered into or to be entered into with State Bank of India and Central Government."

"RESOLVED further that the Board of Directors be and are hereby authorised to finalise agreements and other documents and deeds for creating the aforesaid mortgage/charge and to do all such acts, deeds, matters and things as may be considered necessary, desirable or expedient for implementing this resolution, to execute them under the Common Seal of the Company, where necessary, to sub delegate the powers hereby delegated to any person in its absolute discretion and to resolve any question or doubt which may arise in relation thereto or otherwise considered by the Board of Directors thereof in the best interest of the Company."

"RESOLVED further that the mortgage/charge created/ to be created and/or all agreements/documents executed/to be executed and all acts done in connection with creation of security in the manner stated above by and with the authority of the Board of Directors are hereby ratified and confirmed."

By order of the Board

Place : New Delhi  
Dated : 17th July, 2010

**Sunit Malhotra**  
Secretary

#### NOTES:

1. A member entitled to attend and vote at the meeting is entitled to appoint a proxy to attend and vote instead of himself and the proxy need not be a member of the Company. Proxies in order to be effective must be received at the registered office of the company not less than 48 hours before the Annual General Meeting.



2. The relevant Explanatory Statement pursuant to Section 173 of the Companies Act, 1956, in respect of Special Business under item No.7 set out above is annexed.
3. As per Clause 49 IV (G) of the Listing Agreement with Stock Exchanges, the brief resume and functional expertise of the Non-Executive Directors proposed for re-appointment are annexed to this notice along with the details of the Companies in which they are Directors and the Board Committees of which they are members.
4. The Register of Members and Share Transfer Books of the Company will remain closed from 14th September, 2010 to 16th September, 2010 (both days inclusive).
5. The dividend, if declared at the meeting, will be payable at the specified branches of State Bank of India, in India (as may be approved by the Bank) on or after 1st October, 2010 to those members whose name stand on the Register of members of the Company on 16th September, 2010. In respect of the shares in the Demat mode, the above dividend will be paid on the basis of beneficial ownership as at the end of business hours as per details furnished by the depositories for the purpose.
6. Shareholders are requested to intimate to the Company or to the Share Transfer Agent of the Company, M/s Alankit Assignments Limited, change if any, in their registered addresses.
7. Members who are holding shares in identical order of names in more than one folios are requested to write to the Company or to the Share Transfer Agent of the Company, M/s Alankit Assignments Limited, to enable it to consolidate their holdings in one folio.
8. Members are requested to bring their copies of the Report and Accounts to the meeting.
9. Members, who hold shares in dematerialised form, are requested to bring their depository account number (Client ID No.) for easier identification and recording of attendance at the meeting.
10. Members who require any information about the accounts to be explained in the meeting are requested to inform the Company about the intended query atleast seven days in advance of the meeting.
11. Pursuant to Section 205A of the Companies Act, 1956, all unpaid/unclaimed dividends declared for and up to the accounting period ended 31st March, 1995 have been transferred to the General Revenue Account of Central Government. Members, who have not yet encashed their dividend warrants for the said period, are requested to claim the amount from the Registrar of Companies, National Capital Territory of Delhi & Haryana, 4th Floor, IFCI Tower, 61, Nehru Place, New Delhi - 110 019.
12. Pursuant to Section 205A and 205C of the Companies Act, 1956, unpaid/unclaimed dividends for the year

1995-96, 1996-97, 1997-98, 1998-99, interim and final dividend of 1999-2000, 2000-2001 & 2001-2002 have been transferred by the Company to "Investor Education & Protection Fund"(IEPF) constituted by the Central Government under Section 205A and 205C of the Companies Act, 1956. Further, under the amended provisions of Section 205B of the Companies Act, 1956, no claim shall lie for the unclaimed dividend from IEPF by the shareholders.

13. Pursuant to the provisions of Section 205A (5) of the Companies Act, 1956, dividend for the financial year ended 31st March, 2004 and thereafter which remain unclaimed for a period of seven years will be transferred by the Company to the Investor Education and Protection Fund (IEPF) established by the Central Government pursuant to Section 205C of the Companies Act, 1956 as detailed below:

Financial Year	Date of declaration of dividend	Due date for the transfer to IEPF
2003-04	16.09.2004	22.10.2011
2004-05	27.09.2005	02.11.2012
2005-06	25.09.2006	31.10.2013

Shareholders who have not so far encashed/claimed their dividend warrants for the financial year from 2003-2004 to 2005-2006 are requested to approach the Company for re-validation of dividend warrants or for obtaining duplicate dividend warrants. Shareholders are requested to note that no claim shall lie against the company or the said fund in respect of any amounts, which were, unclaimed and unpaid for a period of seven years from the date they first became due for payment and no payment shall be made in respect of any such claim.

14. Section 109A of the Companies Act, 1956, has extended nomination facility to individuals holding shares in Companies. Shareholders, in particular, those holding shares in single name, are requested to avail of the above facility by furnishing to the company the particulars of their nominations. Shareholders may please write to the company for the prescribed Nomination Form.
15. The Securities and Exchange Board of India (SEBI) has mandated the submission of Permanent Account Number (PAN) by every participant in securities market. Members holding shares in electronic form are, therefore, requested to submit the PAN to their Depository Participants with whom they are maintaining their demat accounts. Members holding shares in physical form can submit their PAN details to the Company.

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**ANNEXURE TO NOTICE**

**(Explanatory Statement under Section 173 (2) of the Companies Act, 1956)**

**ITEM NO.7**

The Company avails financial facilities from Banks and Central Government Sugar Development Fund from time to time. Usually such borrowings, in addition to charge on movable assets, are required to be secured by mortgage/charge on the immovable assets of the Company.

The Company have undertaken two phase programme for modernisation and technology upgradation of the existing Plant and Machinery of the Unit - Unn Sugar Complex at a total cost of Rs. 840 Lacs. To finance the above project, the Company made an application to State Bank of India for term loan of Rs. 420 Lacs and Central Government for Sugar Development Fund loan of Rs. 336 Lacs. The State Bank of India has sanctioned term loan of Rs.420 Lacs and bridge loan of Rs. 104 Lacs pending disbursement of SDF Loan.

The sanction of Central Government for its SDF loan of Rs. 336 Lacs is in process. The above referred financial assistance is to be secured by way of charge on the entire present and future fixed and current assets of the Company in favour of State Bank of India and Central Government as stipulated in the respective agreements. Creation of mortgage/charge as stated in the Resolution, subject to the approval of the existing charge holders, requires approval of shareholders under Section 293 (1) (a) of the Companies Act, 1956.

None of the Directors is concerned with or interested in the resolution.

By order of the Board

Place : New Delhi  
Dated : 17th July, 2010

**Sunit Malhotra**  
Secretary



## ANNEXURE TO THE A.G.M. NOTICE

### INFORMATION PURSUANT TO CLAUSE 49 IV (G) OF THE LISTING AGREEMENT REGARDING APPOINTMENT OF A NEW DIRECTOR OR RE-APPOINTMENT OF A DIRECTOR.

Sl. No.	Name of the Director	Date of Birth	Date of Appointment	Specialised Expertise	Qualification	Directorship of other Companies as on 31.03.2010	Chairman/ Member of Committees of other Companies as on 31.03.2010
1	2	3	4	5	6	7	8
1.	Sh. R.C. Sharma	24.1.1939	22.5.2002	More than 35 years experience in highly responsible position in Police including Central Bureau of Investigation having high degree of professionalism and experience. Presently, working as President of Fore School of Management which is imparting professional management and career development programmes.	M.A. (Economics) B.A. (Economics and Geography) Punjab University Technical Higher Secondary School, Delhi Polytechnic	1. CHL Ltd. 2. H.B. Portfolio Ltd. 3. PCI Ltd. 4. SIS Ltd. 5. Indec Securities and Finance Ltd.	4
2.	Sh. Hemantpat Singhania	15.12.1930	20.12.1955	General Management more than 54 years experience as Director of various companies.	Intermediate	1. K.M. Sugar Mills Ltd. 2. Meenakshi Synthetics Pvt. Ltd. 3. Sharad Carriers Pvt. Ltd	3
3.	Smt. Manjula Viswanathan	07.01.1941	29.12.1975	General Management more than 34 years experience as Director of this Company	M.A.	Nil	Nil

By Order of the Board

Place : New Delhi  
Dated : 17th July, 2010

**Sunit Malhotra**  
Secretary



## DIRECTORS' REPORT

DEAR SHAREHOLDERS,

Your Directors have pleasure in presenting the 76th Annual Report and the Audited Accounts of the Company for the year ended 31st March, 2010.

### FINANCIAL RESULTS:

We feel satisfaction in reporting that notwithstanding the severe setback in the later part of the year, your Company has earned profit during the year. The summarised financial results are presented below:-

	(Rs. in Lakhs)	
	For the Year ended March 31, 2010	For the Year ended March 31, 2009
- Net profit before tax and depreciation	2916.16	1601.07
- Less: Provision for depreciation	1456.12	1644.41
Net Profit/Loss(-) before Tax	1460.04	(-) 43.34
- Less/Add:Provision for Taxation:		
Current Year	47.66	-
Relating to earlier years	40.59	50.00
Deferred Tax Liability	136.94	456.47
Fringe Benefit Tax	- 225.19	19.00 525.47
Profit/Loss(-) after Tax	1234.85	(-) 568.81

### DIVIDEND:

Your Directors recommend payment of dividend of Rs. 2/- per share (20%) for the year ended 31st March, 2010. The total dividend payout for the year under review, inclusive of corporate tax on dividend distribution, will be Rs.122.44 Lakhs. The balance distributable profit of Rs.1112.41 Lakhs is being transferred to General Reserves to make the total Reserves and Surplus as on 31.03.2010 at Rs.7804.57 Lakhs.

### REVIEW OF OPERATIONS:

#### SUGAR DIVISION:

The manufacturing results of your both the sugar factories for the crushing season 2009-10 as compared to last crushing season are as under :-

	Upper Doab Sugar Mills		Unn Sugar Complex	
	Season		Season	
	2009-10	2008-09	2009-10	2008-09
- Gross Working days	150	135	140	114
- Cane Crushed (Qtls.)	8142391	7018461	4028743	3160934
- Average Cane Crush per Crop day (Qtls.)	54831	51989	28773	27830
- Manufacturing losses (%)	2.24	2.09	2.09	1.96
- Steam Consumption cane (%)	54.18	54.50	50.08	50.56
- Average Sugar recovery (%)	9.03	8.95	9.23	8.95
- Total sugar produced	735392	627842	371858	282904

The cane crushed has improved during the sugar season 2009-10 as against sugar season 2008-09 due to better yield of cane in the area and better crush rate per crop day.

Overall, considering the volatility witnessed by the sugar industry last year, the performance of the company's sugar units has been satisfactory.

#### CANE DEVELOPMENT:

The Company is giving top priority to develop high sugared and high yielding varieties of sugarcane in the reserved area of the factory. For this purpose, sizable expenses are also incurred on related activities, like development of roads in the area, supply of disease free cane seed & various pesticides at subsidised rates to the farmers besides educating them to grow such varieties of cane which are useful in the different parts of the cane crushing season. This is a continuous process and further steps for betterments are being explored and implemented.

#### DISTILLERY DIVISION:

The Distilleries could not utilise the optimum capacity mainly due to poor off take of finished goods due to competition, un-remunerative prices, increased discounts, unfavorable excise policy of the State Government. The Country Liquor business became un-remunerative on account





of changes in the Excise Policy. Net realisations on account of sale of Extra Neutral Alcohol and Rectified Spirit were also adversely affected on account of higher rate of Export Duty in the State as compared to the neighbouring States.

Both your Distilleries produced 9840335 BL in the current year as against 8820105 BL in the previous year. Since the margin remained under pressure of Distillery products, your Distillery Units could not contribute to the profitability of the Company.

Your Directors are of the view that it would be in the interest of the company to concentrate on the expansion of sugar business and thus propose to sell Pilkhani Distillery & Chemical Works unit, subject to the requisite approvals from various authorities including yours. Accordingly a MOU has been entered into for the disposal of the said unit. Your approval is proposed to be taken as required under the Companies Act, 1956 through a postal ballot.

#### **DIRECTORS:**

The tenure of directorship of Shri K.B. Lal got completed on 30.4.2010 and he resigned from the services of the Company. The Board places on record its gratitude for the valuable services rendered as Sr. Executive Director, Secretary and Director and matured guidance provided by him during his long tenure with the company.

The following Directors of your Company are due to retire by rotation u/s 256 of the Companies Act, 1956. They are eligible for re-appointment and offer themselves for the same:-

1. Shri R.C. Sharma
2. Shri Hemantpat Singhania
3. Smt. Manjula Viswanathan

The required information pursuant to Clause 49 IV (G) of the Listing Agreement regarding experience, qualifications, name of the companies in which the above Directors hold directorship and membership of the Committee of the Board are given in the notice convening this Annual General Meeting against the relevant item of the Agenda.

Necessary resolutions for the re-appointment of the aforesaid Directors have been included in the notice convening the ensuing Annual General Meeting.

None of the Directors of the Company is disqualified from being appointed as Directors as specified in terms of Section 274 (1) (g) of the Companies Act, 1956.

#### **AUDITORS:**

M/s Basant Ram & Sons, Chartered Accountants, New Delhi, Auditors of the Company retire at the conclusion of the forthcoming Annual General Meeting and being eligible, offer

themselves for re-appointment. They have furnished a certificate to the effect that they have subjected themselves to the peer review process of the Institute of Chartered Accountants of India and hold a valid certificate issued by the 'Peer Review Board' of the said Institute and their proposed re-appointment, if made, will be in accordance within the limits specified u/s 224 (1-B) of the Companies Act, 1956.

#### **AUDITORS' OBSERVATIONS:**

There is no adverse observation in the Auditors' Report.

#### **FIXED DEPOSITS:**

We report with satisfaction the confidence of the public in placing their fixed deposits with your Company. The total amount of fixed deposits as on 31st March, 2010 was Rs.4962.50 Lakhs as against Rs. 4089.74 Lakhs as on 31st March, 2009. Only a sum of Rs.1.17 Lakhs relating to three depositors was not claimed on due dates upto the end of financial year. The deposits of Rs.0.87 Lakhs relating to two depositors have been claimed and paid subsequently in the current financial year.

#### **CONSERVATION OF ENERGY, TECHNOLOGY ABSORPTION AND FOREIGN EXCHANGE EARNINGS AND OUTGO:**

The particulars required under Section 217(1)(e) of the Companies Act, 1956, read with Companies (Disclosure of Particulars in the Report of the Board of Directors), Rules, 1988 are given in 'Annexure 1' and forms part of this Report.

#### **PARTICULARS OF EMPLOYEES:**

Particulars of employees as required under Section 217(2A) of the Companies Act, 1956 read with Companies (Particulars of Employees) Rules, 1975 as amended are given in 'Annexure 2' and forms part of this Report.

#### **MANAGEMENT DISCUSSION AND ANALYSIS REPORT:**

The detailed performance of both the business segments of the Company for the year ended 31st March, 2010 as required under Clause 49 of the Listing Agreement has been stated in the Management Discussion and Analysis Report in the section on Corporate Governance. Current Year Prospects have also been discussed under this section of Corporate Governance.

#### **CORPORATE GOVERNANCE:**

The separate section on "Corporate Governance" including a certificate from the Auditors of the Company confirming compliance of the conditions of Corporate Governance as stipulated under Clause 49 of the Listing Agreement with Stock Exchanges is given in 'Annexure -3' and forms part of this Report.

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**CORPORATE GOVERNANCE – VOLUNTARY GUIDELINES:**

The Board of Directors have taken cognizance of the 'Corporate Governance Voluntary Guidelines 2009' issued by the Ministry of Corporate Affairs (MCA) in December 2009. While the guidelines are recommendatory in nature, the Board recognises the importance and need to constantly assess governance practices thereby ensuring a sustainable business environment that generates long term value to all key stakeholders. The Board would consider adopting the relevant provisions of the said guidelines as and when deemed appropriate.

**DIRECTORS' RESPONSIBILITY STATEMENT:**

Pursuant to Section 217(2AA) of the Companies Act, 1956, with respect to Directors' Responsibility Statement, the Directors confirm:

- (i) that in the preparation of the Annual Accounts, the applicable accounting standards have been followed by the company.
- (ii) that they have selected such accounting policies, applied them consistently and made judgments and estimates that are reasonable and prudent so as to give a true and fair view of the state of affairs of the Company at the end of the financial year and of the profit of the Company for the year ended on that date.
- (iii) that they have taken proper and sufficient care for the maintenance of adequate accounting records in accordance with the provisions of the Companies Act, 1956, for safeguarding the assets of the Company and for preventing and the detecting fraud and other irregularities; and
- (iv) that they have prepared the Annual Accounts on a going concern basis.

**LISTING ARRANGEMENT:**

The shares of the Company continue to remain listed with the Bombay Stock Exchange Limited and Delhi Stock Exchange Limited and the annual Listing Fee for the year 2010-2011 has been paid to both the exchanges.

**CURRENT YEAR PROSPECTS:**

The Sugar scenario has under gone adverse changes in the last quarter of the year. Higher input cost, a two fold increase in the levy sugar quota from 10% to 20% and falling prices have hit the sugar industry hard in the January to March, 2010

quarter. With a steep increase in the sugar production to 18.5 million tonnes against the initial estimates of 15 million tonnes coupled with import of raw and white sugar of about 4.5 million tonnes, the overall availability of sugar is now quite comfortable. The world sugar prices which were more than \$750 per tonne in the month of January, 2010 have come down to \$425 per tonne now. There is a significant drop in the sugar prices from Rs. 4000/- per qtl. at the end of January, 2010 to Rs. 2700/- per qtl. by the end of June, 2010. The imported sugar in excess of demand has further resulted in downward pressure on the prices of domestic sugar.

The sugar prices are expected to remain weak due to reluctance of the government to roll back the price control measures in place, as also cheaper import and likelihood of higher production of sugarcane and sugar in the coming season 2010-11 which is estimated at around 25 million tonnes against the consumption of 22 million tonnes at present. Sugar production is also expected to go up in the major sugar producing and exporting countries like Brazil, Thailand and Australia. This will further put pressure on the sugar prices and the factories will incur heavy losses unless some positive steps are taken by the Government for the survival of the Industry.

The Central Government has revised the levy sugar price on 21.06.2010 produced in the sugar season 2009-10. The incremental impact of upward revision in levy sugar price amounting to Rs.8,31,85,048/- has been considered and incorporated in the Annual Accounts ended on 31.03.2010.

**INDUSTRIAL RELATIONS:**

The industrial relations have been cordial at all the plants of the Company during the year.

**APPRECIATION:**

Your Directors wish to place on record their sincere thanks and appreciation for the devoted services rendered by the employees of the Company at all levels. We also place on record our appreciation to the Financial Institutions, Banks and Government Authorities for their valuable co-operation and support from time to time. We would also like to express our thanks to our Shareholders and Depositors for their continued confidence in the company.

For and on behalf of the Board

Place : New Delhi  
Dated : 17th July, 2010

**Onke Aggarwal**  
Chairman





## ANNEXURE '1' TO THE DIRECTORS' REPORT

INFORMATION AS PER SECTION 217 (1) (e) READ WITH COMPANIES (DISCLOSURE OF PARTICULARS IN THE REPORT OF BOARD OF DIRECTORS) RULES, 1988 AND FORMING PART OF THE DIRECTORS' REPORT FOR THE YEAR ENDED 31ST MARCH, 2010.

### A. CONSERVATION OF ENERGY

#### a) Energy conservation measures taken

##### Upper Doab Sugar Mills

- Installation of efficient luminaries as CFL and LED Lamps
- Installation of MCCB and ACB in place of Switch and fuse
- Installation of Energy Saver Equipment at light load
- Installation of light sensors at street and plant's general lights
- Use of delta to star converter starter at variable load pumps
- Stopping the tube wells for water conservation and power savings
- Use of exhaust condensate of clear juice heaters having temperature 112°C in place of hot water from supply tank of temperature 85°C in super heated wash system at Auto Centrifugal Machine
- Use of Exhaust steam at transient heaters, B/C melters and soda boiling
- Use of VC-1 vapours in place of exhaust steam for pan washing

##### Unn Sugar Complex

- Installation of one Evaporator body which enabled to continue operation of evaporation with configuration of DEVC+ Quad, instead of quintuple effect during cleaning time and the frequency was after every 10 to 14 days. This has saved steam by about 1.5%.
- Installation of one Electric Boiler at Sulphur Station for melting of sulphur. Previously live steam was being used to melt sulphur. It has resulted in saving of 1.5% to 1.75% of steam on cane.
- For molasses conditioning, First Vapor used instead of exhaust steam.
- At F.B.D.C. (i.e. Sugar Drier) live steam was being used, now it has been replaced by flash vapor from pan condensate bottle.
- Installation of 4 Nos. of Power Capacitor has resulted in improved power factor from 0.8 to 0.9 thereby saving 12.5% on Amperage loading.
- Installation of TUFR's has saved power by about 10% thereby capacity can be achieved upto 4800 TCD.
- Installation of PRDS system, saved steam energy by about 2% to 3%.
- Installation of DCS control on boilers improved boiler efficiency which has saved more bagasse by about 3% and also has improved the boiler rating by about 4 to 5 MT/Hr. more.
- Installation of Super Heater and Economizer in 20 TPH boiler has improved the thermal efficiency as well as saving in direct steam demand for process by about 1.5% on cane.

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**Pilkhani Distillery & Chemical Works**

- Automation of the Boiler to achieve fuel economy.
- Installation of VFD on ID, FD, SA & feed conveyor electrical motors to achieve power economy.
- Insulation on the steam condensate tank and pipeline for heat energy saving.
- Installation of Capacitors on high HP motors for electrical energy saving.
- Utilization of PHE for heat energy recovery from spent wash to fresh wash.
- Running of DG sets to avoid steam venting for power balance.

- b) Additional investments and proposals, if any, being implemented for reduction of consumption of energy.

**Upper Doab Sugar Mills**

- Addition of one cell of cooling tower for efficient working and reduction of Injection pump load.

**Unn Sugar Complex**

- Installation of Distributed Control System (DCS) on Mills with ACFC Systems.
- Installation of 30 M<sup>3</sup> per hour Boiler Feed Pump to save power.

- c) Impact of the measure at (a) & (b) above for reduction of energy consumption and consequent impact on the cost of production of goods.

With the energy conservation measures taken at (a) and additional investment at (b), we have been able to achieve conservation of energy as under :-

- Reduction in steam consumption.
- Reduction in power consumption.
- More efficient utilization of fuels.
- Increased saving in bagasse as By-product.

- d) Total Energy Consumption and Energy Consumption per unit of production as per Form 'A' of the Annexure in respect of industries specified in the schedule thereto.

Particulars in respect of Sugar & Distillery Units of the Company as per Form 'A'.

	<b>Sugar Unit</b>	<b>Distillery</b>	<b>Sugar Unit</b>	<b>Distillery</b>
	<b>Current Year</b>	<b>Current Year</b>	<b>Previous Year</b>	<b>Previous Year</b>
(A) Power and Fuel Consumption :				
1. Electricity :				
a) Purchased (Units)	18,07,607	37,577	20,56,166	3,62,771
Total amount (Rs.)	1,06,89,460	2,47,580	1,16,38,012	28,74,199
Rate/Unit (Rs.)	5.91	6.59	5.66	7.92
b) Own Generation :				
i) Through Diesel Generator (Units)	10,66,036	6,50,592	7,58,738	5,68,067
Unit per Ltr. of Diesel oil	2.98	2.93	3.06	3.06
Cost/Unit (Rs.)	11.32	10.57	12.38	10.47
ii) Through Steam Turbine (Units)	2,65,60,313	55,80,331	2,99,50,452	50,66,162
Unit per pound of Steam	1.750	0.084	1.653	0.084
Cost/Unit (Rs.)	1.74	7.32	1.39	3.41