

NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad Ph:+92-51-9206500, Fax: +92-51-2600026 Web: www.nepra.org.pk, E-mail: registrar@nepra.org.pk

No. NEPRA/TRF-253/JDWSML-2013/13634-13636 September 14, 2015

Subject: Decision of the Authority in the Matter of Request for One-Time Adjustment of Upfront Tariff filed by JDW Sugar Mills Limited (JDWSML) for Its 26.35 MW New Bagasse Based High-Pressure Co-generation Power Plant at JDW Sugar Mills Unit-II Machi Goth, Tehsil Sadiqabad, District Rahim Yar Khan, Punjab (Case No. NEPRA/TRF-253/JDWSML-2013)

Dear Sir,

Please find enclosed herewith the subject Decision of the Authority along with Annexure-I & II (13 pages) in Case No. NEPRA/TRF-253/JDWSML-2013.

- 2. The subject decision is being intimated to the Federal Government for the purpose of notification of the approved tariff in the official gazette pursuant to Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act (XL of 1997).
- 3. Order of the Authority at para 4 of the Decision needs to be notified in the official Gazette.

Enclosure: As above

(Syed Safeer Hussain)

Secretary Ministry of Water & Power 'A' Block, Pak Secretariat Islamabad

- 1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
- 2. Secretary, Ministry of Finance, Islamabad.



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No. NEPRA/TRF-253/JDWSML-2013/13637

September 14, 2015

Chief Executive Officer JDW Sugar Mills Limited 17-Abid Majeed Road, Lahore Cantt., Lahore

Subject:

Decision of the Authority in the Matter of Request for One-Time Adjustment of Upfront Tariff filed by JDW Sugar Mills Limited (JDWSML) for Its 26.35 MW New Bagasse Based High-Pressure Co-generation Power Plant at JDW Sugar Mills Unit-II Machi Goth, Tehsil Sadiqabad, District Rahim Yar Khan, Punjab (Case No. NEPRA/TRF-253/JDWSML-2013)

The Authority has made its Decision on the subject matter. The Decision has been sent to Ministry of Water & Power for notification in the official Gazette vide letter No. NEPRA/TRF-253/JDWSML-2013/13634-13636 dated 14.09.2015. A copy of the Decision is served herewith.

Enclosure: As above

(Syed Safeer Hussain)



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No. NEPRA/TRF-253/JDWSML-2013/13634-13636 September 14, 2015

Subject: Decision of the Authority in the Matter of Request for One-Time Adjustment of Upfront Tariff filed by JDW Sugar Mills Limited (JDWSML) for Its 26.35 MW New Bagasse Based High-Pressure Co-generation Power Plant at JDW Sugar Mills Unit-II Machi Goth, Tehsil Sadiqabad, District Rahim Yar

Khan, Punjab (Case No. NEPRA/TRF-253/JDWSML-2013)

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Please find enclosed herewith the subject Decision of the Authority along with Annexure-I & II (13 pages) in Case No. NEPRA/TRF-253/JDWSML-2013.

- 2. The subject decision is being intimated to the Federal Government for the purpose of notification of the approved tariff in the official gazette pursuant to Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act (XL of 1997).
- 3. Order of the Authority at para 4 of the Decision needs to be notified in the official Gazette.

Enclosure: As above

(Syed Safeer Hussain)

Secretary
Ministry of Water & Power
'A' Block, Pak Secretariat
Islamabad

- 1. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
- 2. Secretary, Ministry of Finance, Islamabad.



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No. NEPRA/TRF-253/JDWSML-2013/13638

September 14, 2015

Chief Executive Officer
Central Power Purchasing Agency Guarantee Limited 6th Floor, Shaheed-e-Millat Secretariat,
Jinnah Avenue, Blue Area,
Islamabad

Subject:

Decision of the Authority in the Matter of Request for One-Time Adjustment of Upfront Tariff filed by JDW Sugar Mills Limited (JDWSML) for Its 26.35 MW New Bagasse Based High-Pressure Co-generation Power Plant at JDW Sugar Mills Unit-II Machi Goth, Tehsil Sadiqabad, District Rahim Yar Khan, Punjab (Case No. NEPRA/TRF-253/JDWSML-2013)

The Authority has made its Decision on the subject matter. The Decision has been sent to Ministry of Water & Power for notification in the official Gazette vide letter No. NEPRA/TRF-253/JDWSML-2013/13634-13636 dated 14.09.2015. A copy of the Decision is served herewith.

Enclosure: As above

(Syed Safeer Hussain)

National Electric Power Regulatory Authority

Registrar Office

No. NEPRA/TRF-253/JDWSML-2013/13639

September 14, 2015

Subject:

Decision of the Authority in the Matter of Request for One-Time Adjustment of Upfront Tariff filed by JDW Sugar Mills Limited (JDWSML) for Its 26.35 MW New Bagasse Based High-Pressure Co-generation Power Plant at JDW Sugar Mills Unit-II Machi Goth, Tehsil Sadiqabad, District Rahim Yar Khan, Punjab (Case No. NEPRA/TRF-253/JDWSML-2013)

Please find enclosed a copy of subject decision sent to Ministry of Water & Power along with copies to the Secretary Cabinet Division and Secretary Ministry of Finance for notification in the official Gazette vide letter No. 13634-13636 dated 14.09.2015.

2. The above mentioned decision has also been sent to the JDWSML and CPPA vide letters No. 13637-13638 dated 14.09.2015. A copy of the same is also enclosed for information, please.

Enclosure: As above

(Syed Safeer Hussain)

Registrar

Senior Advisor (Tariff-1)

Mr. Zain Ullah Shah, O.S [to update the status]

Mr. Rizwan Ali, O.A. [to scan the decision]

Master File [w.r.t. ATC/CM D # 4004 dated 11.09.2015]

For information:

- 1. Chairman
- 2. Vice Chairman / Member (CA)
- 3. Member (Tariff)
- 4. Member (Licensing)
- 5. Member (M&E)

Distribution:

- 6. Senior Advisor (Technical)
- 7. Director (Licensing)
- 8. Deputy Director (I.T.) [Please place it on the NEPRA Website immediately for the
- 9. Assistant Director (I.T.) information of the general public. Scanned copy has been sent through e-mail.]



DECISION OF THE AUTHORITY IN THE MATTER OF REQUEST FOR ONE-TIME ADJUSTMENT OF UPFRONT TARIFF FILED BY JDW SUGAR MILLS LIMITED (JDWSML) FOR ITS 26.35 MW NEW BAGASSE BASED HIGH-PRESSURE CO-GENERATION POWER PLANT AT JDW SUGAR MILLS UNIT-II, MACHI GOTH, TEHSIL SADIQABAD, DISTRICT RAHIM YAR KHAN, PUNJAB.

The National Electric Power Regulatory Authority (hereinafter referred to as the "Authority") approved the upfront tariff for New bagasse based Co-generation projects to be set up under the frame work of Co-generation policy of Government of Pakistan (hereinafter referred to as "GoP") on May 29, 2013 containing the reference approved tariff for 30 years along with the applicable terms and conditions for the Co-generation projects and notified by GoP vide SRO No. 771(l)/2013 dated September 3, 2013. The aforementioned decision of the Authority was modified to the extent of certain amendments in the terms and conditions on August 28, 2013 and notified by GoP vide SRO No.938(1)/2013 dated October 14, 2013. The Authority, vide its decision dated July 7, 2015 adjusted the upfront tariff as per the mechanism provided in its decision dated May 29, 2013.

2. JDW Sugar Mills Ltd. (hereinafter referred to as the "applicant" or "JDWSML" or the "company") vide the Authority's decision dated November 06, 2013 was granted the upfront tariff for its 26.35 MW (Gross capacity) high-pressure co-generation power plant (hereinafter referred to as the "project") at JDW Sugar Mills Unit-II, Machi Goth, Tehsil Sadiqabad, District Rahim Yar Khan, Punjab.

3. One Time Adjustment

3.1 The reference Upfront Tariff was allowed to be adjusted on May 31, 2015, i.e. the reference commercial operations date (COD) for all bagasse based power projects who opted for the upfront tariff, on account of project cost variations during the construction period of the projects. As per documentary evidence provided by the applicant, the project was declared to have achieved commercial operations w.e.f June 12, 2014 by the power purchaser. In view thereof, since the requirement to achieve commercial operations has been fulfilled before the







date of adjustment of the upfront tariff, the adjusted upfront tariff is hereby granted to the applicant to be applicable w.e.f June 01, 2015.

4. ORDER

The Authority hereby approves the following Upfront Tariff for New Bagasse based Cogeneration projects for delivery of electricity to the power purchaser.

Tariff components	1-10 years	11-30 years	Indexations		
	(Rs/kWh)	(Rs./kWh)			
Fuel Cost	5.9822	5.9822	Fuel price		
Variable O&M Local	0.1197	0.1197	Local CPI		
Variable O&M Foreign	0.3393	0.3393	PKR/US\$, US CPI		
Fixed O&M Local	0.3194	0.3194	Local CPI		
Insurance	0.2204	0.2204	-		
Working Capital	0.1733	0.1733	KIBOR		
Debt Service	3.8970	-	KIBOR		
Return on Equity	1.0346	1.0346	PKR/US\$		
Total	12.0859	8.1888			

- i) The above reference tariff is applicable for 30 years from commencement of commercial operation date (COD).
- ii) The above tariff is applicable for new Co generation projects based on Bagasse.
- iii) The above tariff has been worked out on the basis of reference PKR/US\$ rate of Rs. 101.6.
- iv) The reference component wise Adjusted Upfront Tariff table is attached herewith as Annex I
- v) The reference Adjusted Debt Service schedule is attached herewith as Annex-II.







I. Pass-Through Items

If the company is obligated to pay any tax on its income from generation of electricity, or any duties and/or taxes, not being of refundable nature, are imposed on the company up to the commencement of its commercial operations for import of its plant, machinery and equipment, the exact amount paid by the company on these accounts shall be reimbursed by the power purchaser on production of original receipts. This payment should be considered as a pass-through payment spread over a twelve months period. Furthermore, in such a scenario, the company shall also submit to the power purchaser details of any tax savings and the power purchaser shall deduct the amount of these savings from its payment to the company on account of taxation.

The adjustment for duties and/or taxes will be restricted only to the extent of duties and/or taxes directly imposed on the company. No adjustment for duties and/or taxes imposed on third parties such as contractors, suppliers, consultants, etc., excluding adjustment for taxes imposed on dividend as stated below, will be allowed.

Withholding tax on dividends will also be allowed as a pass through item just like other taxes. The power purchaser shall make payment on account of withholding tax at the time of actual payment of dividend, on production of original receipts, subject to maximum of 7.5% of return on equity. In case the company does not declare a dividend in a particular year or only declares a partial dividend, then the difference in the withholding tax amount (between what is paid in that year and the total entitlement as per the net return on equity) would be carried forward and accumulated so that the company is able to recover the same as a pass through from the power purchaser in future on the basis of the total dividend payout. Adjustment for variation in tax rate on dividend from 7.5% shall also be allowed as a pass through item by the power purchaser, after satisfying itself that tax rates have actually varied. The company shall also submit to the power purchaser details of any tax savings and the power purchaser shall deduct the amount of these savings from its payment to the company on account of taxation.

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II. <u>Indexation/adjustment</u>

The following indexation shall be applicable to the reference upfront tariff:

a) Fuel Cost Component

Fuel cost component of tariff will be adjusted on account of variation in price of fuel (bagasse) on yearly basis in advance (w.e.f. 1st of October of each applicable year) as per the formula given hereunder.

 $FCC_{(Rev)} = FCC_{(Ref)} \times BFP_{(Rev)} / BFP_{(Ref)}$

Where;

FCC (Rev) = Revised fuel cost component of tariff for the applicable year.

FCC (Ref) = Reference fuel cost component of tariff at the time of

determination.

BFP_(Rev) = Revised price of bagasse in Rs/ton as determined in accordance

with mechanism set out below.

BFP (Ref) = Reference price of bagasse for the relevant year. Current

reference price is Rs. 2966.23/ton

 $BFP_{(Rev)} = CPCIF_{(Rev)} \times 6905/23810$

Where;

 $CPCIF_{(Rev)} = \{CPFOB_{(Rev)} + MF_{(Rev)} + MI_{(Rev)}\} x ER_{(Rev)}$





W	here	:

CPCIF (Rev) = Revised CIF price of coal in Rs/ton for the applicable year.

CPFOB (Rev) = Revised FOB price of coal expressed in US\$/ton based on monthly average of prices published in the Argus McCloskey's

API4 index for the relevant year.

MF_(Rev) = Revised marine freight of coal per ton as worked out below.

MF(Rev) = US\$ 18.83 x BIX(Rev) / BIX(Ref)

Where;

BIX (Rev) = Revised monthly average of the daily Bunker Index price for

380-CST published by the Bunker Index for the relevant year.

BIX (Ref) = Reference monthly average of the daily Bunker Index price of

380-CST published by the Bunker Index. Current reference is

US\$ 629.6417/ton.

 $MI_{(Rev)} = CPFOB_{(Rev)} \times 0.1\%$

ER (Rev) = Revised monthly average PKR/US\$ exchange rate for the

relevant month.

The constants such as 6905, 23810 and US\$ 18.83 are fixed values representing LHV value of bagasse in btu/kg, LHV value of coal in btu/kg and fixed value of marine freight charges per ton of coal respectively.

Note:

1. Applicable year means, the year for which adjustment/indexation of fuel cost component is required starting from 1st of July and ending on 30th of June.

2. Relevant year means the year immediately preceding the applicable year for adjustment/indexation of fuel cost component.







b) O&M Cost Component

The local O&M component will be adjusted on account of local Inflation and foreign O&M component will be adjusted on account of variation in Rupee/Dollar exchange rate and US CPI. Quarterly adjustments for inflation and exchange rate variation will be made on 1st July, 1st October, 1st January & 1st April respectively on the basis of the latest available information with respect to Pakistan CPI (general), US CPI (notified by US bureau of labor statistics) and revised TT&OD Selling rate of US Dollar (notified by the National Bank of Pakistan). The mode of indexation will be as under:

i) Fixed O&M Local

FO&M(REV) = O&M(REF) * CPI(REV) / CPI(REF)

Where:

CPI (REF)

F O&M (REV) = The revised applicable Fixed O&M local component of tariff indexed with Pakistan CPI.

 $O\&M_{(REF)}$ = The reference fixed O&M local component of tariff.

CPI (REV) = The Revised Consumer Price Index (General) for the relevant month.

The Consumer Price Index (General) of 198.16 for the

month of April 2015 as notified by the Federal Bureau of Statistics.

ii. Variable O&M

 $V O&M_{(LREV)} = O&M_{(LREF)} * CPI_{(REV)} / CPI_{(REF)}$







 $V\ O\&M\ (\text{FREV}) = O\&M\ (\text{FREF})\ ^*\ USCPI\ (\text{REV}) /\ USCPI\ (\text{REF})\ ^*\ ER\ (\text{REV}) /\ ER\ (\text{REF})$

Where:

V O&M (LREV) = The revised applicable Variable O&M local component of tariff indexed with CPI.

V O&M_(FREV) = The revised applicable Variable O&M foreign component of tariff indexed with US CPI and exchange rate variation.

O&M (LREF) = The reference variable O&M local component of tariff.

O&M (FREF) = The reference variable O&M foreign component of tariff.

CPI (REV) = The Revised Consumer Price Index (General) for the relevant month.

CPI (REF) = The Consumer Price Index (General) of 198.16 for the month of April 2015 as notified by the Federal Bureau of Statistics.

US CPI (REV) = The Revised US Consumer Price Index (All Urban Consumers) notified by the US Bureau of Labor Statistics.

US CPI (RBF) = Reference US CPI (All Urban Consumers) of 236.119 as notified by the Bureau of Labor Statistics for the month of March 2015.

 $ER_{(REV)}$ = The revised TT&OD selling rate of US dollar as notified by the National Bank of Pakistan.

ER (REF) = Reference TT and OD selling rate of US dollar of Rs. 101.60.







c) Adjustment of working capital cost

The cost of working capital shall be adjusted on account of variation in 3-month KIBOR over the reference KIBOR of 7.99% while premium over KIBOR 2% remaining the same for the entire tariff control period.

d) Adjustment of debt servicing component

The interest part of fixed charge component will remain unchanged throughout the tariff control period except for the adjustment due to variation interest rate as a result of variation in quarterly KIBOR according to the following formula;

$$\Delta I = P (REV) * (KIBOR (REV) - 7.99\%) / 4$$

Where:

 Δ I = the variation in interest charges applicable on local loan corresponding to variation in quarterly KIBOR. Δ I can be positive or negative depending upon whether KIBOR (REV) > or < 7.99%. The interest payment obligation will be enhanced or reduced to the extent of Δ I for each quarter under adjustment applicable on quarterly basis.

 $P_{(REV)} =$ is the outstanding principal (as indicated in the attached debt service schedule to this order) on a quarterly basis on the relevant quarterly calculations date.

e) Return on Equity

Return on equity (ROE) as well as Return on Equity during Construction (ROEDC) component of tariff shall be adjusted for variation in PKR/US\$ exchange rate according to the following formula:







ROE (REV)		ROE (REF) * ER (REV)/ER (REF)								
ROEDC (REV)	*****	ROEDC (REF) * ER (REV)/ER (REF)								
Where;										
ROE (REV)		Revised Return on Equity component of tariff expressed in Rs/kWh adjusted with exchange rate variation for the relevant period.								
ROEDC (REV)	=	Revised Return on Equity during Construction component of tariff in Rs/kWh adjusted with exchange rate variation for the relevant period.								
ROE (REF)	=	Reference Return on Equity component of tariff expressed in Rs/kWh.								
ROEDC (REF)	and the second s	Reference Return on Equity during Construction component of tariff expressed in Rs/kWh.								

by the National Bank of Pakistan.

III. Terms and conditions of Upfront Tariff

ER (REV)

 $ER_{(REF)}$

i) The Upfront tariff is applicable for power generation using bagasse.

101.60.

The Adjusted Upfront Tariff will be applicable and become effective on June 01,2015 (i.e. after the reference Commercial Operation Date).





Revised TT and OD selling rate of US dollar as notified

Reference TT and OD selling rate of US dollar of Rs.



- iii) The decision of the applicant to opt for upfront tariff is irrevocable.
- iv) All energy offered for sale by the Co-generation projects shall be taken by the power purchaser on priority.
- v) This tariff will be applicable for a period of thirty years (30) from the reference commercial operations date.
- vi) In the Upfront Tariff no adjustment for certified emission reductions has been accounted for. However, upon actual realization of carbon credits, the same shall be distributed between the power purchaser and the power producer in accordance with the applicable GoP Policy, as amended from time to time.
- vii) The project is allowed to use other biomass fuel such as rice husk, cotton stalk etc. in combination with Bagasse or separately. However use of coal imported or local is not allowed.
- viii) To safeguard interest of consumers, the Authority may review the fuel pricing mechanism stipulated above in accordance with NEPRA applicable law, after due consultation with the affected/interested parties, if it is deemed that there is exorbitant/unreasonable increase in international coal prices. Similarly, to mitigate risk to the power producer and to encourage the investors to put up bagasse based(indigenous fuel) cogeneration projects, the reference CIF coal price of US\$ 100.67/ton used at the time of this determination shall be considered the floor/minimum price for the purpose of the Fuel cost Component.







5. The order at paragraph 4 is recommended for notification by the Federal Government in the official gazette in accordance with Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997.

AUTHORITY

(Khawaja Muhammad Naeem) Member (Syed Masovit ut Hassan Nagy) 11/9/15 Member

(Himayat Ullah Khan)

Member

(Major (Rtd.) Haroon Rasheed)

Member

(Brig. (R) Tariq Saddozai) Chairman

NEPRA

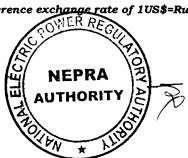
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Annex-I

Reference Adjusted Upfront Tariff for JDW Sugar Mills Unit-II

Year	Fuel cost component	Variable O&M Local	Variable O&M Foreign	Fixed O&M Local	Insurance	Working capital cost	Return on Equity	ROE During Construction	Loan Repayment	Interest Charges	Total Tariff
	Rs./kWh	Rs./kWh	Rs./kWh	Rs. / kWh	Rs. / kWh	Rs. / kWh	Rs. / kWh	Rs. / kWh	Rs. / kWh	Rs./kWh	Rs. / kWh
1	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.1926	2.7045	12.0859
2	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.3488	2.5483	12.0859
3	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.5254	2.3716	12.0859
4	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.7252	2.1718	12.0859
5	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.9512	1.9458	12.0859
6	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	2.2068	1.6903	12.0859
7	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	2.4958	1.4012	12.0859
8	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	2.8227	1.0743	12.0859
9	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	3.1925	0.7046	12.0859
10	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	3.6106	0.2864	12.0859
11	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
12	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
13	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
14	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
15	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
16	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	_	8.1888
17	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
18	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
19	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
20	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
21	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
22	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
23	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
24	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
25	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
26	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
27	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
28	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
29	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	-	-	8.1888
30	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380		-	-	8.1888
Levelized Tariff	5.9822	0.1197	0.3393	0.3194	0.2204	0.1733	0.9380	0.0965	1.3073	1.2328	10.7290

Levelized Tariff (1-30 years) discounted at 10% per annum = US Cents 10.5601/kWh at reference exchange rate of 1US\$=Rupees 101.60



Reference Adjusted Upfront Tariff for JDW Sugar Mills Unit-II Debt Servicing Schedule For the purpose of Indexation Only (Foreign and/or Local Loan)

	Local Debt						Local Debt						
		_		I	Debt	Principal		Mark-Up	Balance	Debt	Principal	Annual	Annual Debt
Period	Principal	Repayment	Mark-Up	Balance	Service	Million	Repayment	Million	Million	Service	Repayment	Interest	Service
	Million \$	Rs.	Million Rs.	Rs.	Rs.	Million Rs.	Rs./kWh	Rs./kWh	Rs./kWh				
	0.7836	0 0101	0 0245	0 7735	0 0346	79 6104	1 0262	2 4878	78 5842	3 5141	0.2845	0 6897	0.9743
	0.7735	0.0104	0 0242	0 7630	0 0346	78.5842	1 0583	2 4558	77 5259	3 5141	0.2934	0.6808	0.9743
	0 7630	0 0107	0 0238	0 7523	0 0346	77 5259	1 0914	2 4227		3 5141	0.3026	0.6717	0.9743
	0 7523	0 0111	0 0235	0 7412	0 0346	76 4345	1 1255	2 3886	75 3090	3.5141	0.3120	0.6622	0.9743
1	0 7836	0.0423	0 0960	0 7412	0.1383	79.6104	4.3015	9 7548	75 3 0 90	14.0563	1,1926	2.7045	3.8970
	0.7412	0.0114	0 0232	0 7298	0.0346	75 3090	1 1607	2 3534 -	74.1483	3 5141	0 3218	0.6525	0.9743
	0 7298	0.0118	0 0228	0 7180	0 0346	74 1483	1 1969	2 3 1 7 1	72.9514	3 5141	0.3318	0 6424	0.9743
	0.7180	0 0121	0 0224	0 7059	0.0346	72 9514	1 2343	2.2797	71.7170	3 5141	0 3422	0.6320	0.9743
	0 7059	0.0125	0 0221	0 6933	0 0346	71 7170	1 2729	2 2412	70 4441	3 5141	0 3529	0 6213	0 9743
2		0.0479	0 0905	0 6933	0.1383	75 3090	4 8649	9.1914	70.4441	14.0563	1 3488	2.5483	3.8970
	0 6933	0 0129	0 0217	0 6804	0 0346	70 4441	1.3127	2.2014	69 1314	3,5141	0 3639	0.6103	0 9743
	0 5804	0 0133	0.0213	0 6671	0 0346	69 1314	1.3537	2.1604	67 7777	3 5141	0 3753	0 5989	0 9743
	0 6671	0 0137	0.0208	0 6534	0.0346	67 7777	1,3960	2 1 1 8 1	66 3817	3 5141	0 3870	0.5872	0.9743
	0 6534	0.0142	0 0204	0 6392	0 0346	66 3817	1.4396	2.0744	64 9420	3 5141	0 3991	0 5751	0 9743
3	0.6933	0 0542	0.0842	0 6392	0.1383	70 4441	5.5021	8 5542	64.9420	14 0563	1 5254	2.3716	3 8970
	0 6392	0.0146	0 0200	0 6246	0.0346	64.9420	1.4846	2 0294	63.4574	3.5141	0 4116	0 5626	0.9743
	0.6246	0 0151	0 0195	0 6095	0.0346	63 4574	1.5310	1.9830	61 9264	3 5141	0 4245	0 5498	0.9743
	0 6095	0 0155	0 0190	0 5940	0.0346	61 9264	1 5789	1 9352	60 3475	3 5141	0 4377	0 5365	0 9743
	0.5940	0 0160	0.0186	0 5779	0 0346	60 3475	1 6282	1.8859	58.7193	3 5141	0 4514	0 5228	0.9743
4	0.6392	0 0612	0.0771	0 5779	0.1383	64 9420	6 2228	7 8335	58.7193	14 0563	1 7252	2 1718	3.8970
	0 5779	0.0165	0 0181	0.5614	0.0346	58.7193	1 6791	1.8350	57 0402	3.5141	0 4655	0 5087	0 9743
	0.5614	0.0170	0.0175	0 5444	0.0346	57.0402	1 7316	1 7825	55.3086	3.5141	0 4801	0 4942	0.9743
	0 5444	0.0176	0 0170	0.5268	0 0346	55.3086	1 7857	1.7284	53 5229	3.5141	0 4951	0 4792	0 9743
	0.5268	0.0181	0.0165	0 5087	0 0346	53.5229	1 8415	1.6726	51 6814	3 5141	0 5105	0 4637	0 9743
5		0.0693	0 0691	0 5087	0.1383	58 7193	7 0378	7.0185	51 6814	14 0563	1 9512	1 9458	3 8970
	0.5087	0.0187	0.0159	0 4900	0 0346	51 6814	1 8990	1 6150 '	49 7824	3 514 1	0 5265	0 4478	0 9743
	0.4900	0.0193	0.0153	0 4707	0.0346	49.7824	1 9584	1.5557	47 8240	3 5 1 4 1	0 5429	0 4313	0 9743
	0 4707	0 0199	0 0147	0 4508	0.0346	47.8240	2.0196	1 4945	45 8045	3,5141	0 5599	0 4143	0 9743
	0.4508	0.0205	0.0141	0 4303	0 0346	45.8045	2 0827	1.4314	43 7218	3 5 1 4 1	0 5774	0 3968	0 9743
6		0 0783	0 0600	0.4303	0 1383	51 6814	7 9597	6.0966	43 7218	14.0563	2 2068	1 6903	3 8970
	0.4303	0 0211	0 0134	0 4092	0 0346	43.7218	2 1478	1 3663	41.5740	3 5141	0 5955	0 3788	0 9743
	0 4092	0 0218	0.0128	0.3874	0 0346	41 5740	2 2149	1 2992	39 3591	3 5141	0 6141	0 3602	0 9743
	0.3874	0.0225	0.0121	0 3649	0 0346	39 3591	2.2841	1 2300	37.0750	3 5141	0.6333	0 3410	0 9743
7	0 3649	0 0232	0 0114	0.3417	0 0346	37 0750	2 3555	1 1586	34 7195	3 5 1 4 1	0 6530	0 3212	0 9743
 '	0.4303 0.3417	0.0886	0 0497	0.3417	0 1383	43.7218	9 0022	5.0541	34,7195	14 0563	2 4958	1 4012	3 8970
		0 0239	0 0107	0.3178	0 0346	34 7195	2 4291	1 0850	32 2904	3 5 1 4 1	0 6735	0 3008	0 9743
	0 3178 0.2932	0 0247	0.0099	0.2932	0 0346	32 2904	2.5050	1 0091	29 7855	3 5141	0.6945	0 2798	0 9743
	0.2932	0 0254	0 0092	0.2677	0 0346	29 7855	2.5833	0 9308	27.2022	3.5141	0 7162	0 2581	0 9743
8		0 0262 0 1002	0.0084	0 2415	0 0346	27 2022	2.6640	0 8501	24.5382	3 5141	0 7386	0 2357	0.9743
°	0.3417		0 0381	0.2415	0 1383	34.7195	10 1814	3.8749	24.5382	14 0563	2 8227	1 0743	3 8970
	0.2145	0.0270 0.0279	0 0075 0 0067	0.2145	0 0346	24 5382	2.7473	0 7668		3 5141	0.7617	0 2126	0.9743
	0.2145	0.0279		0 1866	0.0346	21.7909	2 8331	0 6810 :		3 5141	0 7855	0 1888	0 9743
	0.1608	0.0288	0 0058 0 0049	0 1578	0 0346	18 9578	2.9216	0.5924	16 0362	3 5141	0 8100	0 1642	0.9743
9		0.0297	0 0049	0 1282 0 1282	0 0346	16 0362	3 0129	0 5011 :		3.5141	0 8353	0.1389	0.9743
├	0 1282	0.0306	0 0250	0 0 1 2 8 2	0.1383 0.0346	24 5382 13 0232	11.5150 3 1071	2 5413	13.0232	14 0563	3 1925	0 7046	3.8970
1	0 0976	0.0306	0 0030	0 0661	0.0346			0.4070	9 9161	3 5141	0 8614	0 1128	0 9743
l	0 0661	0.0325	0.0030	0 0335	0.0346	9.9161	3 2042	0.3099		3 5141	0 8883	0.0859	0 9743
I	0.0335	0.0325	0.0021	0 0000	0.0346	6.7119 3 4076	3 3043 3 4076	0.2097		3 5141	0 9161	0 0582	0 9743
10		0.0333	0 00102	0 0000	0.0346	13 0232		0 1065	0 0000	3 5141	0 9447	0.0295	0 9743
	L 0 1202	0.12.02	0.0102	U 0000	0 1303	13 0232	13.0232	1 0331	0 0000	14 0563	3 6106	0 2864	3 8970



