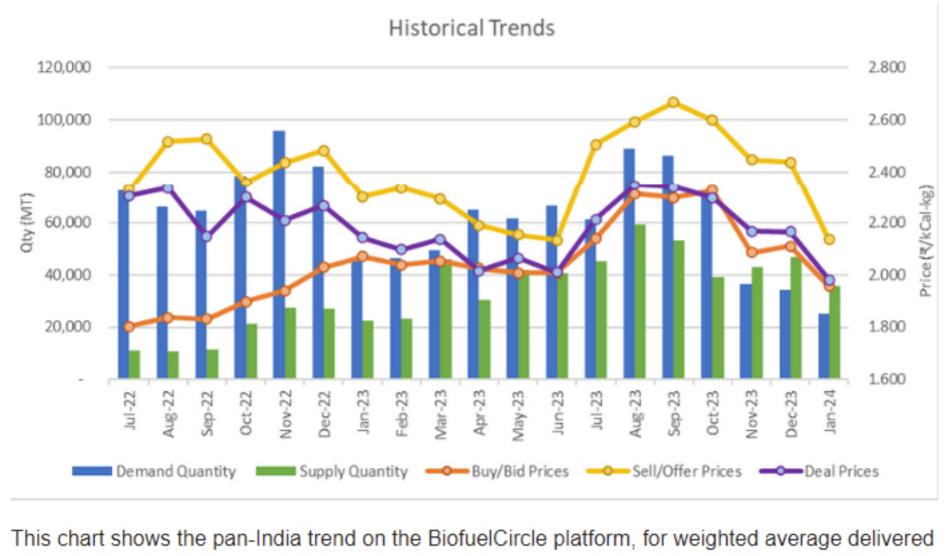


BiofuelCircle Market Insights

February 2024

Past Trends: Briquette Prices



prices of Biomass Briquettes, converted to Rs per Kcal-kg over the past months, along with the availability & demand from our subscribers. Weighted average is calculated using quantity sought/ offered/ deals done, averaged over a month. Buy/Bid prices (orange line) are expectations of Buyers (delivered basis). Sell/ Offer prices (yellow

line) are based on responses and sells published by Sellers (again delivered basis). And finally,

the Deal prices (purple line) are for deals concluded after platform-based negotiations between

Buyers & Sellers. Demand (blue bars) is the total Buy quantity the month, and Supply (green bars)

is the total quantity Offered by Sellers for that month. In January 2024, average deal prices fell by almost 8.5%, to ₹ 1.98 per Kcal-kg. This is the first time that prices have fallen below ₹ 2.00 since Nov 2022. The breakdown of the weighted average price for January, by grade is ₹ 2.16 per Kcal-kg for Premium briquettes (GCV> 3800, Ash < 8%), about ₹ 1.89 for Superior (GCV ~ 3400 to 3800, Ash ~ 8 to 12%), and ₹ 1.87 for Standard

Buyers were looking to Buy for January, at a much lower delivered price of ₹1.96, and Seller's also lowered their expectations to ₹ 2.13, a drop of 12.5% below the previous month. Once again, deals are happening closer to Buyers' expectations, a trend that has been seen for more than a year now as supply caught up with demand. Both demand and supply in January 2024 were comparatively lower than the previous month, but

purchases with an expectation that prices may fall further. Price Comparison The chart below compares the weighted average delivered prices of Biomass Briquettes to those

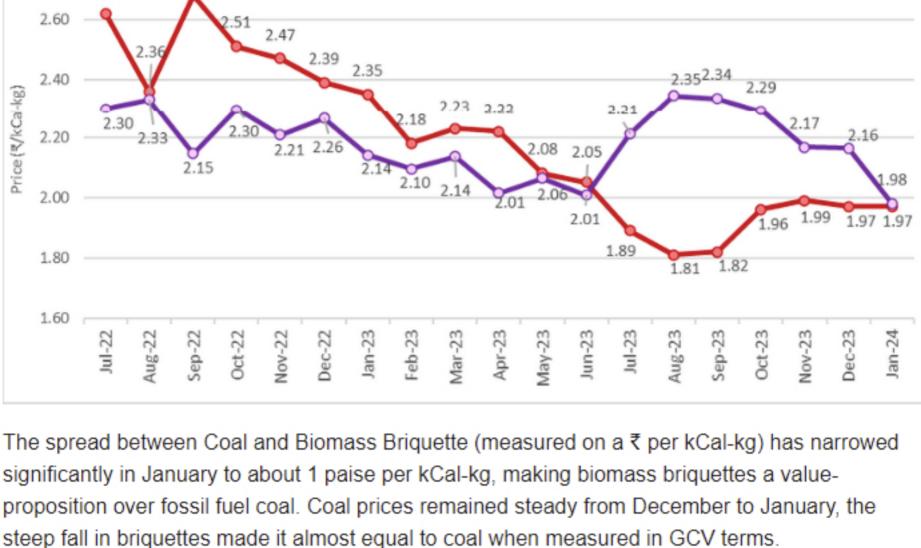
of imported coal (GCV 3400 GAR). We call the difference between these prices as the 'spread'.

Coal prices in this chart (maroon line) are sourced from market publications, for Indonesian-origin

demand continues to be lower than supply. There is an indication that Buyers are deferring

briquettes (GCV< 3400, Ash >12%)

coal (3400 GAR), imported at Kandla and delivered on average 300 km inland. Briquette prices (purple line) are based on deals done on the platform. Both are converted to GCV basis, for meaningful comparison. Coal Vs Briquette 2.80 2.68 ■Coal Briquette 2.62



since November. Traders & importers in India have yet been unable to clear their inventories, which is going to push prices lower unless demand picks up. International coal prices are expected to remain subdued in the coming months as the EU has extended the ban on Russian coal for another six months, until July 2024.

Prices of thermal coal imported into India have continued to remain at almost the same levels

Past Trends: Raw Biomass (Inputs) This chart shows the pan-India trend on the BiofuelCircle platform, for weighted average delivered prices of Raw Biomass, converted to Rs per Kcal-kg over the past months. Weighted average is calculated using quantity sought/ offered/ deals done, averaged over a month. This chart excludes commodities such as paddy straw, which are directly used for conversion to biogas or bioethanol.

Pre mium

1.18 1.18

1.26

0

1.02

Superior

Standard

1.63 1.63

Historical Trends: Raw Biomass (Inputs)

1.27

1.18

1.07

2.00

1.80

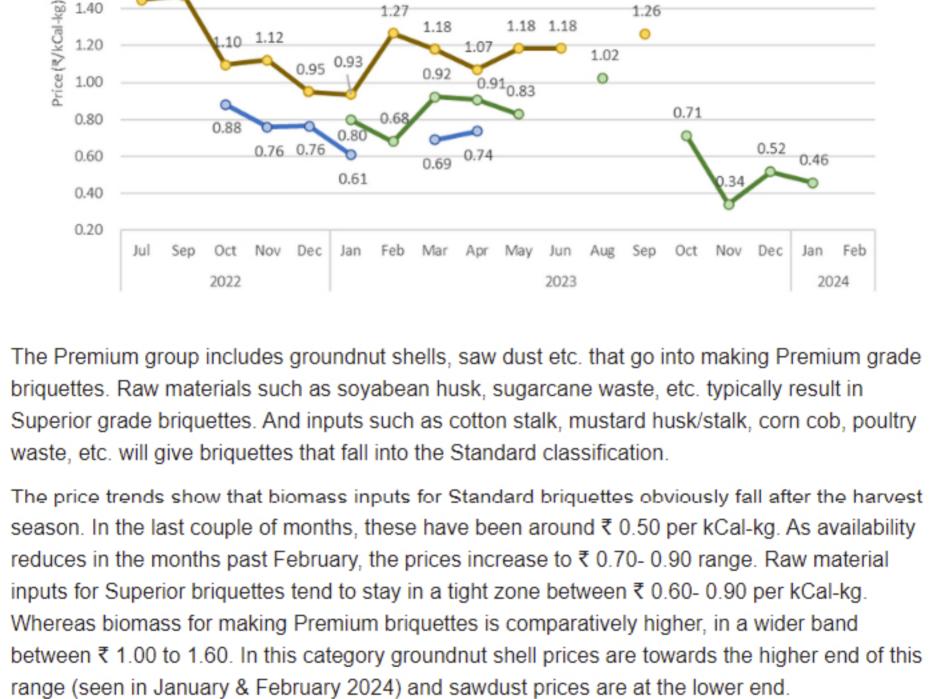
1.60

1.40

1.20

1.45 1.47

.10



the processor's cost of conversion, inventory holding cost, transportation cost to end consumer, and a profit margin. In future reports, we will dwell further into the components of the GCM (energy basis), and the relationships between input costs and landed price of briquettes. Forward Months: Briquette Prices The prices (for Buys/ Bids, Sells/ Offers & Deals), as well as demand & supply quantities in the chart below, are for delivery of biomass briquettes in the months to come.

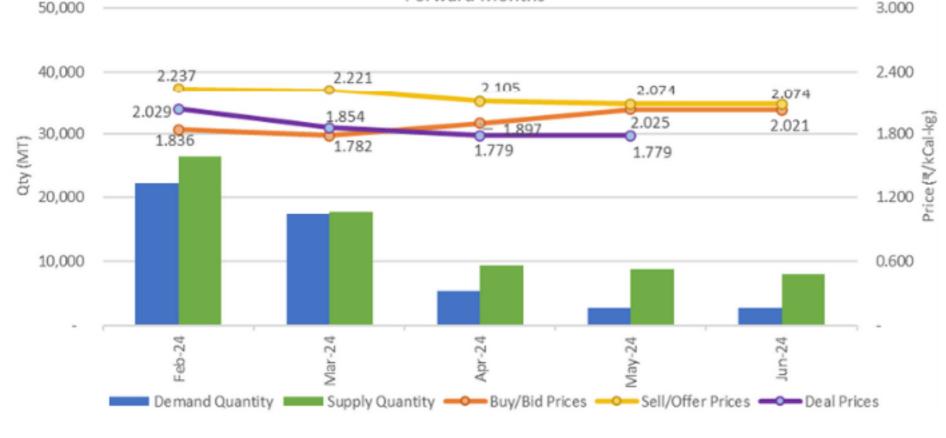
Forward Months

In very broad terms, over the last 12 months, the average cost of raw biomass inputs to a

processor have been around ₹ 0.90 to 1.00 per kCal-kg. Compared to this to the average

delivered price of biomass briquettes in the same period, has varied between ₹ 2.00 to 2.30 per

kCal-kg. This translates to a Gross Conversion Margin (GCM) of ₹ 1.10 to 1.20. Note this includes



The sharp downtrend in prices in January is reflected in a further reduction in prices for delivery in the months of March and April (₹ 1.85 to 1.78). Sellers continue to expect prices above ₹ 2.20 for February and March, but the gap from Buyer expectations is quite wide in the same period. Deals may continue to happen closer to the Buyer's prices. Like last month, price expectations for deliveries beyond three months from tend to converge close to ₹ 2 per kCal-kg. Crop Forecasts

newsletter.

crop in this season. It may be prudent to stay guided by the estimates shared in last month's In Conclusion

If you are a consumer of Briquettes/ Pellets, platform data points to a downward trend in prices for

There is no official update or revision from the Agriculture Ministry on the production of the kharif

current and the two near months. Login to the platform and click here to find Sellers near you

using our new Green Navigator. Contact your Support representative to understand how BiofuelCircle can help you plan long-term purchases. If you are a Briquette/ Pellet manufacturer, the Green Navigator can also help you locate

biomass through multiple Biomass Banks in Maharashtra & Gujarat. Reach out to your Support representative to know how you can secure your raw material supplies.

customers nearby using the Find Buyer feature here. BiofuelCircle is facilitating collection of raw