

MCX COMPLEX ▲ 44 pts (0.3%)

PR. CLOSE	HIGH	LOW	CLOSE
14903.0	14959.3	14873.8	14946.6

MCX BULDEX ▼ -66 pts (-0.4%)

PR. CLOSE	HIGH	LOW	CLOSE
15168.8	15226.9	15055.8	15102.6

MCX METLDEX ▲ 197 pts (0.9%)

PR. CLOSE	HIGH	LOW	CLOSE
22138.8	22358.9	22168.9	22335.7

NCDEX AGRIDEX ▼ -35 pts (-0.42%)

PR. CLOSE	HIGH	LOW	CLOSE
8213.70	8226.50	8107.30	8179.00

FUTURES TRACKER

Symbol	Delivery Centre	Price Unit	Previous Close (₹)	Close (₹)	% Change	OI
MCX						
ALUMINIUM	Thane	1 Kg	271.5	268.7	-1.0	8610
COPPER	Thane	1 Kg	819.9	815.7	-0.5	4450000
COTTON	Rajkot	1 Bale	44540.0	44410.0	-0.3	49550
CRUDEOIL	Cash Settled	1 BBL	7865.0	7851.0	-0.2	464800
GOLD	Ahmedabad	10 grms	52413.0	52223.0	-0.4	16425
GOLDGUINEA	Ahmedabad	8 grms	41735.0	41558.0	-0.4	12,848
GOLDM	Ahmedabad	10 grms	52356.0	52217.0	-0.3	890.5
GOLDPETAL	Ahmedabad	1 grm	5184.0	5182.0	0.0	14,075
KAPAS*	Cash Settled	20 Kgs	2265.5	2256.5	-0.4	68
LEAD	Thane / Chennai	1 Kg	188.3	186.6	-0.9	2295
MENTHAOIL	Chandausi	1 Kg	1082.2	1071.0	-1.0	72.36
NATURALGAS	Cash Settled	1 mmBtu	524.0	539.6	3.0	4316250
NICKEL	Thane	1 Kg	2517.3	2530.0	0.5	172500
RUBBER	Palakkad	100 Kgs	17093.0	16883.0	-1.2	48
SILVER	Ahmedabad	1 Kg	67125.0	66612.0	-0.8	232470
SILVERM	Ahmedabad	1 Kg	67294.0	66808.0	-0.7	41205
SILVERMIC	Ahmedabad	1 Kg	67322.0	66810.0	-0.8	22654
ZINC	Thane	1 Kg	373.4	375.6	0.6	5265
NCDEX						
CASTOR	DEESA	Quintal	7228.0	7182.0	-0.6	27900
CASTOR OIL	DEESA	Quintal	1450.5	1452.0	0.1	76
COCUADAKL	AKOLA	Quintal	2941.0	2883.0	-2.0	129220
COTTON	RAJKOT	Bales	44750.0	44750.0	0.0	0
DHANIYA	KOTA	Quintal	12454.0	12480.0	0.2	16540
GUARGUMS	JODHPUR	Quintal	12518.0	12435.0	-0.7	45545
GUARSEED10	JODHPUR	Quintal	6369.0	6336.0	-0.5	62460
JEERAUNJHA	UNJHA	Quintal	22650.0	22375.0	-1.2	13665
KAPAS	RAJKOT	20 kgs	2192.0	2187.5	-0.2	1046
STEEL	GOBINDGARH	Quintal	58520.0	57200.0	-2.3	250
TMCFRGNZM	NIZAMABAD	Quintal	9030.0	8978.0	-0.6	17065

Source: MCX and NCDEX; all contracts are current month/near month; closing prices are taken from provisional bhav copy (as of 17.00 hours); *delivery option available

Wheat procurement down 30% y-o-y, may miss target

Food Ministry is believed to have told PMO that procurement could be around 25 mt against the targeted 44 mt

PRABHUDDATA MISHRA

New Delhi, April 22
Thursday was an unusual day for wheat procurement this season as Punjab, Haryana and Uttar Pradesh recorded more procurement than arrivals at the procurement centres of various agricultural produce marketing committee (APMC) mandis.

This was because some stocks from the previous day were added in the compilation as arrivals have trickled down in these States on which the government has pinned its hope after exporters and flour millers cornered the wheat grown in Gujarat, Rajasthan and Madhya Pradesh. The total procurement of wheat as of April 21 was 11.9 million tonnes (21) against 17.09

mt in the year-ago period, despite the fact that the government had last year introduced a token system in view of the second wave of the Covid-19.

Punjab is the only State where the progressive procurement has more than the year-ago level, the first time this season. The Centre has so far purchased 6.17 mt from the State against 6.06 mt a year ago. All other States have made lower purchases than a year ago.

The Food Ministry is believed to have informed the Prime Minister's Office (PMO) that wheat procurement could be around 25 mt against the 44 mt target set for it.

The offtake of the cereal from FCI stocks under various welfare schemes was

Daily arrivals in mandi/procurement centres

	April-19	April-20	April-21
Punjab	34.5	101.5	-8.7
Haryana	-62.5	-84.6	-85.8
UP	-87.7	-86.4	-89.4
MP	26.1	-19.6	-58.1
Rajasthan	313.6	-54.6	-70.0
Gujarat	-96.7	-94.9	100.0
Total(6)	6.0	-6.6	-53.7
All-India	6.3	-6.5	-53.6

Progressive procurement

	This year	Last year	% Change
Punjab	61,71,628.46	60,57,660.00	1.9
Haryana	33,35,221.00	59,53,662.00	-44.0
UP	60,044.97	5,00,845.16	-88.0
MP	23,27,486.00	41,03,368.00	-43.3
Rajasthan	693.00	391,421.25	-99.8
Gujarat	5.90	42,214.89	-100.0
Bihar	576.00	0	---
Others	4,310.20	39,657.35	-89.1
All-India	1,18,99,965.53	1,70,88,828.65	-30.4



Orthodox tea exports from Kochi gain steam on overseas demand

Russian buyers start purchasing good quantities on cash mode

V SAJEEV KUMAR

Kochi, April 22
Orthodox tea shipments have started picking up from Kochi auctions, thanks to improved demand from overseas buyers.

This is evident from the 92 per cent of the sold quantity out of the of 2,02,632 kg on offer in sale 16 compared to 77 per cent in the previous week's sale.



According to traders, there has been an active participation of buyers, especially from CIS countries including that of Russia which started purchasing the

brew good quantities on cash mode. Besides, active participation of buyers from Turkey, Iran and Iraq also boosted the market.

A tea exporter told *Busi-*

Besides the ongoing turmoil in Sri Lanka, active participation of buyers from Turkey, Iran and Iraq also boosted the market

nessLine that the year 2022-23 is likely to put Indian orthodox teas in advantageous position vis-à-vis competitors because of the declining production in Sri Lanka in view of the political and economic crisis there.

South Indian orthodox teas, especially from Coonoor and Coimbatore,

also witnessed good sales percentage in the recent weeks, which is an indication of the demand spurt, he added.

Higher realisations

The auctioneers Forbes, Ewart & Figgis said that average price realisation in orthodox grades was up by ₹2 at ₹143 per kg in the previous week.

The market opened on a steady note and strengthened with improvement in prices as the sale progressed.

Nilgiri whole leaf, brokens and Fannings appreciated following qual-

ity. In CTC leaf, good liquoring teas were steady to firm. The quantity offered was 57,000 kg and 83 per cent was sold.

The average price realisation in dust sales also went up by ₹4 per kg at ₹138 due to improved demand from local buyers. The quantity offered was 9,64,874 kg and the market for good liquoring and popular marks of Kerala was firm to dearer. Upcountry buyers lent fair support.

The orthodox dust market was lower with small quantity absorbed by exporters. The quantity offered was 6,000 kg.

Govt re-opens interest subsidy window for ethanol plants until Oct

Move will facilitate sugar mills to augment distillery capacities and help in diverting excess sugarcane/sugar



PRABHUDDATA MISHRA

New Delhi, April 22
The Centre has invited fresh applications from those who have acquired land for ethanol project and obtained environmental clearance to avail interest subvention in setting up new distilleries or expansion of existing distilleries to produce ethanol out of cereals (rice, wheat, barley, maize and sorghum), sugarcane (including sugar, sugar syrup, sugarcane juice, B-heavy molasses, C-heavy molasses) and sugar beet.

mental Clearance (EC) for enhancement of their existing ethanol distillation capacity or to set up new distillery for producing 1st Generation (1G) ethanol."

Previously, the window was for 30 days when the government had invited applications in January 2021 and September 2020.

The government has been extending financial assistance in the form of interest subvention at six per cent per annum or 50 per cent of rate of interest charged by banks, whichever is lower, on the loans to be extended by banks for five years including one-year moratorium.

"The Centre's decision will facilitate sugar mills to set up new distilleries or expand their existing distilleries and thereby help in diverting excess sugarcane/sugar to ethanol. New grain-based distilleries would come up

Blending target

The government also said that as on April 17, about 158 crore litre ethanol has been blended with petrol, achieving 9.77 per cent blending in current Ethanol Supply Year (December-November). In ESY 2020-21, about 302.30 crore litre ethanol got blended with petrol, taking the EBP rate to 8.10 per cent, as against 1.53 per cent in 2013-14.

The Union government has fixed target of 10 per cent blending of fuel grade ethanol with petrol by 2021-22 and 20 per cent by 2024-25. The country's ethanol production capacities are required to be enhanced to about 1,700 crore litre to achieve 20 per cent blending target whereas the total ethanol production capacity is about 849 crore litre - molasses-based distilleries 569 crore litre and grain-based distilleries 280 crore litre.

nurture.farm, Google to develop soil health checks at low cost

OUR BUREAU

Bengaluru, April 22
nurture.farm and Google have entered into a research collaboration to establish a scalable and low-cost method to measure soil health, covering soil organic carbon and other key nutrients in soil.

Combining Google's cutting-edge AI, imaging technologies and cloud infrastructure, and nurture.farm's direct on-ground reach and engagement with millions of farmers in India, the two companies have outlined multiple areas of research collaboration that will enable and accelerate the adoption of sustainable agricultural practices across the country, a release said.

Soil testing

The partnership will focus on the use of hyperspectral image analysis combined with other remote sensing and data collection methods, to accurately measure soil organic carbon and other nutrients in soil across a range of soil types and characteristics



that comprise the landscape of agricultural practices in India.

Pranav Tiwari, CTO, nurture.farm said, "Once developed, we will be able to provide actionable insights and advice to farmers and help them optimise their choices of crops, seeds, and nutrients. This will not only benefit the farmers with a better ROI, but will also help promote practices that make farming, and our planet, more sustainable."

Manish Gupta, Director, Google Research, said, "Using remote measurement of soil health can help deliver orders of magnitude gains in cost-effectiveness and scalability that will directly benefit farmers across the country, enabling them to improve their productivity and meet the challenges of the future."

Nichino launches new insecticide for BPH control in rice

OUR BUREAU

Hyderabad, April 22
Nichino India, an arm of the Japanese agrochemical company Nihon Nohyaku Co, has launched Orchestra to control rice Brown Plant Hopper, a pest that causes enormous loss to farmers in the country. "The majority of the products in the market now have resistance issues and farmers tend to go for more number of sprays for BPH control," a Nichino India executive said.

He said that the new active Benzpyrimoxan (BPX) developed by the company worked effectively against the pest.

"BPX works through a novel mode of action called Ecdysone Titer Disruptor. This product, named Orchestra, controls the BPH effectively and selectively without hurting the beneficial insects, Tomooka Naohiro, Managing Director of Nichino India, said in a statement.

Why Maharashtra tags mahua, cashewnut liquor as foreign

OUR BUREAU

Pune, April 22
Liquor made from cashew fruits and mahua flowers in Maharashtra will be categorised as Indian-made foreign liquor as the 'country liquor' tag is hampering its market reach and branding.

The decision will benefit farmers, the State government will generate additional excise duty, and new employment opportunities will be created, according to a government press statement.

The State Cabinet approved the new categorisation for the liquor on Wednesday in an attempt to boost the sector.

New categorisation

Since 2005, liquor made from cashew fruits and mahua flowers was categorised as country liquor but will now be categorised as Indian-made foreign liquor produced locally, the government announced.

Mahua flower liquor manufacturing is a prominent



sector in Maharashtra; cashew nuts grown in the Konkan region and Goa are used by the liquor industry for distillation.

A 2019 report titled "Magnitude of Substance Use in India", sponsored by the Ministry of Social Justice and Empowerment, states that at the national level about 16 crore people (aged 10-75) consume alcohol. Consumption is 17 times higher among men than women.

Country liquor (about 30 per cent) and Indian-made foreign liquor (about 30 per cent) were the most favoured alcoholic beverages.

Will high fertiliser prices spur green ammonia production?

M RAMESH

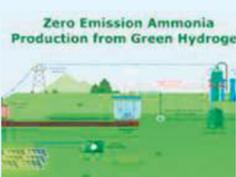
Chennai, April 22
Green ammonia, produced with green hydrogen, is costly - in a steady-state situation, four times as expensive as conventionally produced ammonia.

if gas prices rule between \$6 and \$10 per mmBtu, the cost of ammonia production in India would work out to anywhere between ₹30,000 and ₹40,000 a tonne.

As such, the sharp surge in gas prices is going to tell upon India's fertiliser subsidy bill, which is over ₹1-lakh crore. The market price of urea, the main nitrogenous fertiliser produced with ammonia, is ₹60.4 a kg; it is sold to farmers for ₹53 and the difference is borne by the Union government.

Growing demand

Furthermore, long-term fertiliser demand in India is projected to grow to 130 million tonnes by 2050 from the current 55 million tonnes leading to a bloating subsidy bill. Isn't this an excellent setting for shifting to green ammonia and



green ammonia-based fertilisers? It is a bit too early to bet on it. According to a recent report by the Institute for Energy Economics and Financial Analysis (IEEFA), for green ammonia to come within reach, the cost of green hydrogen should fall, for which in turn, the costs of two other factors should decline - electrolyzers and green electricity. "For green hydrogen to become cost competitive with fossil hydrogen, it is imperative to reduce the cost of

the two critical inputs, electrolyzers and renewable energy, which account for 55 per cent and roughly 25 per cent of production costs, respectively," says IEEFA's analyst Kashish Shah.

But despite the fact that green hydrogen and green ammonia are still costly, now is the time to push for them because the gap between them and conventionally-produced hydrogen and ammonia is narrowing fast.

May lower subsidy bill

"Green ammonia is the most viable of all applications in the green hydrogen economy. The projected growth in fertiliser demand in India will further intensify dependence on subsidies and imports unless it is switched to a cleaner and domestically produced feedstock," the IEEFA

report, titled "Green Ammonia: Low-Hanging Fruit for India's Green Hydrogen Dream", says.

Green ammonia could significantly help the government in reducing the trillion-rupee subsidy bill from the fertiliser sector. In the long term, it also has the potential to reverse India's dependence on energy imports. "India's new green hydrogen policy puts equal emphasis on green ammonia, identifying it as a top use for the clean fuel, and provides the vital incentives to encourage pilot-scale production facilities.

"For proponents, this will be an important learning-by-doing experience, a model almost all green hydrogen to green ammonia projects is employing before betting big on commercial-scale expansion," says IEEFA.

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NOTICE TO SHAREHOLDERS
Notice is hereby given that the below share certificates have been reported lost/untraceable by the shareholder, who has applied to the Company through Registrar and Share Transfer Agent viz., Cameo Corporate Services Ltd., for issuance of duplicate share certificate. The details of the same are as follows:

Sl. No.	Name of shareholder	Folio No.	No. of shares	Distinctive Nos.	Certificate No.
1	LAKSHMI NARAYAN JT. HLD.R NARAYAN GOPALAKRISHNAN G	00000740	150	225455-225604	740

Any person who has claims in respect to the above specified share certificates should lodge their claims with all supporting documents with the Registrar and Share Transfer agent viz., Cameo Corporate Services Ltd., at their registered office situated at Subramanian Building, No.1, Club House Road, Chennai - 600 002. If no legitimate claim is received within 15 days from the date of this notice, the Company will initiate to proceed for issuance of duplicate share certificates to the prescribed shareholder as mentioned above. The above information has been disseminated to the stock exchanges and available at the Company's website viz., www.intellectdesign.com

For Intellect Design Arena Limited
Sd/-
V V Naresht
Company Secretary & Compliance Officer

Place : Chennai
Date : April 22, 2022