

MARKET UPDATE

Commodity	Exchange	Open	High	Low	Close	%Chg	Volume
JEERAUNJHA DEC2	NCDEX	24560	24895	24560	24690	1.52	2424
JEERAUNJHA JAN3	NCDEX	24700	25080	24700	24905	1.57	2394
DHANIYA DEC2	NCDEX	10010	10386	9886	10006	1.07	2470
DHANIYA JAN3	NCDEX	9800	10088	9720	9862	1.67	1450
TMCFGRNZM DEC2	NCDEX	7078	7288	7078	7270	2.08	1505
TMCFGRNZM APR3	NCDEX	7870	8070	7870	8046	1.59	850
COTTON NOV2	MCX	33000	33400	32800	33000	0.64	163
COTTON DEC2	MCX	31400	31400	30960	31180	1.20	599
KAPAS APR3	NCDEX	1695	1718.5	1692	1716.5	1.96	1068
COCUDAKL DEC2	NCDEX	2760	2818	2760	2790	1.23	27580
COCUDAKL JAN3	NCDEX	2651	2686	2648	2669	0.83	11410
GUARSEED10 DEC2	NCDEX	5894	6158	5828	6158	5.99	41950
GUARSEED10 JAN3	NCDEX	5975	6246	5895	6246	5.99	25150
GUARGUM5 DEC2	NCDEX	12250	12860	12250	12860	5.99	17280
GUARGUM5 JAN3	NCDEX	12520	13009	12410	13009	6.00	14950
CASTORSEED DEC2	NCDEX	7430	7490	7414	7472	0.70	4200
CASTORSEED JAN3	NCDEX	7410	7500	7390	7474	1.03	2585

AGRIBUZZ

- The farm agency of Canada, one of the biggest exporters of pulses to India, has scaled up its estimate for masur prices in 2022-23 (Aug-Jul) due to firm export demand. The agency, Agriculture and Agri-Food Canada, now sees masur prices in 2022-23 at \$800 per tn compared to its previous estimate of \$750 per tn. "In October, the on-farm price of large green lentils in Saskatchewan rose by \$220 per tn and red lentil prices increased by \$65 per tn," the agency said in its November report. Price of chana for 2022-23 is seen higher at \$1,000 per tn, up from its October estimate of \$925 per tn. The agency also raised price estimate for dry peas to \$460 tn from the previous month's forecast of \$440 per tn. On the other hand, it has cut the price estimate for dry beans to \$1,210 per tn from \$1,235 per tn in October. The production estimates for chana, masur, dry peas and dry beans were left unchanged from last month. Production of chana in 2022-23 is seen unchanged at 157,000 tn, and the output of dry beans is seen steady at 305,000 tn, according to the report.
- The Centre will procure 25,000 tn of urad in Madhya Pradesh, Rajasthan and Uttar Pradesh to boost the buffer stock, senior officials aware of the matter said. The urad to be procured has been harvested in the 2022-23 (Jul-Jun) kharif season.

TODAY'S PICKS

SPICES COMPLEX

Market Buzz

- Spices rose on NCDEX on Tuesday. Coriander futures rose to one week high on improved demand. However, progress in sowing activities in the key growing regions of Rajasthan and Gujarat weighed on, keeping gains under check. Jeera futures and turmeric futures gained as well.
- According to the Spices Board, India exported 572890.71 tons of spices during Apr-Aug 2022, down by 14 per cent, compared to 666540.53 tons exported during the same time period a year ago. Export of jeera stood at 91505.49 tons, down by 26 per cent, while that of coriander is seen at 18557.72, down by 12 per cent. In the meantime, both turmeric and small cardamom exports rose by 15 respectively and pepper exports increased seven per cent. Small cardamom export stood at 3794.69 tons, while that of turmeric and pepper was 74393.62 and 9587.86 tons respectively.
- The value of India's spices market is expected to rise to 1 trillion rupees by 2025 from 800 billion rupees this year, with the share of the organised sector likely to reach 50% from 38%, according to experts at the National Spice Conference. Currently, the value of the organised segment is pegged at 300 billion rupees. Improved quality, introduction of smaller stock-keeping units and increased shelf life of spices is one of the major reasons for growth of the organised segment, Ramkumar Menon, chairman of World Spice Organisation, said at the conference. Growth prospects in the case of spices are high and branding plays an important role, as it not only makes a memorable impression on consumers, but allows customers and clients to know what to expect from a company. It is a way to distinguish oneself from competitors and clarify what makes one a better choice, according to a panel of experts at the conference. Currently, the branded spices market is growing at a compounded annual rate of 10-15%, against 7-10% in the case of the unorganised segment. India, the world's largest producer, exporter, and consumer of spices, produces 75 of its 109 varieties. Around 85% of the spices produced in India are consumed domestically. The country accounts for more than 48% of global demand.
- Production of spices in India is likely to have declined 1.5% on year to 10.9 million tonnes in 2021-22 (Jul-Jun), according to data from Spices Board India. The country had produced 11.0 million tonnes of spices in the previous year. Among the complex, a major rise in production was pegged in turmeric. The board has pegged turmeric production at 1.33 million tonnes, up 18.4% on year. Jeera production was seen at 725,651 tonnes, down 8.8% on year due to lower acreage in Rajasthan and Gujarat, the key producer. Production of chilli, counted as one of the largest exported and produced spices in the country, is projected at 1.9 million tonnes, compared with 2.0 million tonnes a year ago. Production of pepper is seen at 60,000 tonnes, down 7.7% on year, while the output of small cardamom is seen rising by 3.6% on year to 23,340 tonnes, data showed.

TECHNICAL VIEW



Market Buzz

- The Cotton Association of India has retained its production estimate for the 2022-23 (Oct-Sep) season at 34.4 mln bales (1 bale = 170 kg), it said in a press release. Production of cotton in north zone, which includes Punjab, Haryana and Rajasthan, is estimated at 4.7 mln bales by the association. The estimate for the central zone, which includes Gujarat, Maharashtra and Madhya Pradesh, is 19.8 mln bales. The estimate for the south zone is 9.2 mln bales. Other small states account for rest of the output. Total supply of cotton for the 2022-23 season is estimated at 38.8 mln bales. The association estimates imports at 1.2 mln bales, 200,000 bales lower from the previous year. Exports are seen at 3.0 mln bales, lower by 1.3 mln bales from the previous year. Arrivals of cotton as on Oct 31 were estimated at 1.8 mln bales by the association. The association sees closing stock of cotton as on Sep 30, 2023 at 5.8 mln bales.
- The US Department of Agriculture has lowered its estimate for global cotton output for 2022-23 (Oct-Nov) to 116.4 mln bales (1 US bale = 218 kg) from 118.1 mln bales projected a month ago. The reason for the lowered estimate is attributed to the damaged crop from Pakistan due to floods, the department said in its World Agricultural Supply and Demand Estimates report for November. The report said that global cotton production for November is estimated to be down 1.6 mln bales from October. Further, global cotton consumption is seen at 115 mln bales in November as against 115.6 mln bales a month ago. The consumption is seen lower due to a decline in mill use in Pakistan and Bangladesh, the report said. For November, global cotton exports are estimated at 43.2 mln bales, marginally down from 43.6 mln bales the previous month. The decline is due to lesser projected exports from West Africa along with import reductions from Bangladesh and China, hampering trade worldwide. The agency has also lowered its 2022-23 global ending stocks estimate to 87.2 mln bales from 88 mln bales last month. For India, the agency has maintained its November production estimate of 27.5 mln bales. The consumption estimate for the country is seen at 24.0 mln bales, steady from last month. For 2022-23, cotton ending stocks in India are now seen at 10.3 mln bales, higher than the 10.2 mln bales projected a month ago, the report said.
- Cotton ending stocks in India for 2022-23 are now seen at 10.2 mln bales, higher than 8.9 mln bales projected a month ago, the report said. The farm ministry today pegged the country's kharif foodgrain output in 2022-23 (Jul-Jun) at 149.9 mln tn, according to the first advance estimates released today. Cotton output in 2022-23 is pegged at 34.2 mln bales, as against 36.2 mln bales in 2021-22. But in its fourth advance estimate for 2021-22, the government had lowered its cotton output view to around 31.2 mln bales.
- The area under cotton across India in 2022-23 (Jul-Jun) season was over 12.7 mln ha as of Thursday, up 7.5% from a year ago, data from the farm ministry showed. Sowing has been completed in northern states and acreage in Haryana, the top producer in the region, fell 5.4% on year to 650,473 ha. In Punjab, it fell 2.4% to 248,000 ha. Inadequate power supply for irrigation and non-availability of canal water during the initial sowing stage led to a drop in acreage in the northern states, experts said. In Gujarat, acreage rose to 2.5 mln ha as against 2.2 mln ha a year ago. In Maharashtra, the area under the crop increased 7.3% on year to 4.2 mln ha, while in Telangana, it fell 2.2% to 2.01 mln ha. Gujarat is the top producer of cotton in India, followed by Maharashtra and Telangana. Together, Gujarat and Maharashtra account for 50-55% of the country's total production.
- According to a circular from MCX, the exchange is in process of modifying the Cotton contract specification. Accordingly, with effect from August 29, 2022, no fresh positions will be permitted in Cotton January 2023 expiry contract which has currently nil open interest. Cotton February 2023 expiry and subsequent expiry contracts will temporarily not be launched for trading till such time the revised contract specification is finalized. No changes for other running Cotton contracts with Open Interest.

TECHNICAL VIEW

KAPAS NCDEX APR23	Could inch higher towards 1725-1740 ranges. However, a voluminous rise above 1745 is required for continuation of upswing. Inability to clear the same may call for downside correction towards 1696/1680 or more.	
COCU- DAKL NCDEX DEC	2820 is the immediate resistance and a voluminous rise above the same required for continuation of upswing. Inability to clear the same may call for dips to 2760/2725 ranges.	
COTTON MCX DEC	May vary inside 30300-31800 ranges.	



OTHERS

Market Buzz

- Farmers in the country had sown rabi chana across 6.7 mln ha as of Thursday, up 0.3% on year, data from the farm ministry showed. The increase in acreage is primarily due to higher sowing in the key growing states of Maharashtra, Rajasthan, Gujarat and Karnataka. However, the acreage in Madhya Pradesh, the top grower, declined. In Maharashtra, the second-largest grower, chana acreage was almost flat on year at 1 mln ha, while that in Rajasthan was 10.6% higher at over 1.9 mln ha. Farmers in Karnataka have sown chana across 962,000 ha so far in the rabi season, up 3.6% from a year ago. In Gujarat, rabi chana was sown across 331,000 ha, up 148.9% from a year ago. The acreage of chana declined 19.3% on year to 1.5 mln ha in Madhya Pradesh, as farmers shifted to more remunerative crops such as wheat.
- The farm agency of Canada, one of the biggest exporters of pulses to India, has scaled up its estimate for chana prices in 2022-23 (Aug-Jul) due to lower carryover stocks. The agency, Agriculture and Agri-Food Canada, now sees chana prices in 2022-23 at \$925 per tn compared to its previous estimate of \$900 per tn. "The price forecasts are subject to significant volatility due to the elevated amount of uncertainty in global markets," the agency said in its October report. Meanwhile, the agency cut its estimate for the average price of dry beans to \$1,235 per tn from \$1,250 per tn in September due to expectations of higher supply globally. The production estimates for chana, masur, dry peas and dry beans were left unchanged from last month. Production of chana in 2022-23 is expected to rise sharply to 157,000 tn from 76,000 tn in 2021-22, while the output of dry beans is seen at 305,000 tn, according to the report. Agriculture and Agri-Food Canada is responsible for policies governing the production, processing, and marketing of all farm, food, and agri-based products.
- The Union Cabinet approved 2-9% hike in the minimum support price of six rabi crops for the coming marketing season starting April. The minimum support price of wheat has been increased by 5.5% to 2,125 rupees per 100 kg, while that of chana was raised by 2.0% to 5,335 rupees per 100 kg, the government said. Wheat, the crucial rabi crop, accounts for over 70% of the rabi foodgrain output, and chana is the largest rabi pulse crop. Minimum support prices, or the rates at which the government buys crops from farmers in case prices slip in the market, gives security and direction to growers in terms of realisation from their produce. They also help boost production of a desired crop. The Cabinet also approved increasing minimum support price of mustard by 7.9% to 5,450 rupees per 100 kg, and for masur by 9.1% to 6,000 rupees per 100 kg. The support price for barley was increased by 6.1% to 1,735 rupees per 100 kg. In the fourth advance estimate, the government predicted output of wheat in the 2021-22 (Jul-Jun) crop year at 106.8 mln tn, while oilseed production is pegged at 37.69 mln tn. Pulses output was seen at 27.69 mln tn, against 27.75 mln tn estimated in the third advance estimate.
- The government has pegged the output of pulses at 8.4 mln tn, significantly lower than 9.5 mln tn estimated in the first advance estimate of last year. As of Thursday, the area under pulses fell 4.1% to 13.2 mln ha across the country. The drop in acreage of pulses is a cause for concern as it could lead to higher prices in retail markets during the pulses marketing season. Farmers have shifted to oilseeds and cotton this kharif season due to higher price realisations of the crops and delay in monsoon rainfall in June and July.

TECHNICAL VIEW

CASTOR NCDEX DEC	May vary inside 7550-7320 ranges.	
GUARSEED NCDEX DEC	Sustained trades above 6150 may call for 6230-6270 or more. However, corrective dips to 6070/6010 ranges may not be ruled out as well.	
GUARGUM NCDEX DEC	12940 is the next hurdle which if cleared convincingly may call for 13050-13180 or even more. However, dips to 12700/12560 ranges may not be ruled out as well.	
RUBBER MCX DEC	Choppy moves expected.	



Market Buzz

- Farmers in the country have sown mustard across 7.1 mln ha, up 14% on year as of Thursday, in the ongoing 2022-23 (Oct-Mar) rabi season, according to the farm ministry's data. Mustard is one of the two main crops that are grown in India during the rabi season. The normal area under cultivation of the crop is 6.34 mln ha, according to the five-year average. Acreage in Rajasthan, the largest producer of the oilseed, rose 12% on year to around 3.6 mln ha. "Attractive prices have resulted in higher sowing of mustard this year," said Anil Chattar, joint-secretary at the Mustard Oil Producers Association, adding that the hike in minimum support prices of mustard have also incentivised farmers to sow more. On Oct 18, the government had hiked the MSP for the crop by 400 rupees to 5,450 rupees per 100 kg.
- The Solvent Extractors' Association of India today requested the Ministry of Consumer Affairs to increase the import duty difference between crude palm oil and RBD palmolein from 7.5% to at least 15% for better capacity utilisation and to support the domestic refining industry. "The current import duty difference between crude and refined oil of 7.5% encourages import of refined palmolein into our country as opposed to crude palm oil," the Association said in its memorandum. Palmolein imports during the just concluded oil year (Sep-Oct) has increased by 168%. India imports palm oil majorly from Indonesia and Malaysia. The Association feels that importing crude palm oil helps in value addition within the country and in generating employment. "The import duty difference of 7.5% levied by India between crude palm oil and palmolein is insufficient to block the imports of palmolein. Imports of crude palm oil can be encouraged by increasing RBD palmolein duty from current 12.5% to 20% without any change in crude palm oil duty," it said.
- India's vegetable oil imports surged 32% year-on-year to 1.4 mln tn in October, the Solvent Extractors' Association of India said. For 2021-22 (Nov-Oct), imports of vegetable oil were at 14.4 mln tn, against 13.5 mln tn in the year-ago period. The vegetable oil basket consists of edible and non-edible oils. Edible oil imports for Nov-Oct stood at 14.0 mln tn, against 13.1 mln tn in the year-ago period, the data showed. The edible oil import basket comprises crude and refined palm oils, crude soyoil, sunflower oil, and mustard oil. India imports palm oil from Indonesia and Malaysia, and soyoil from Argentina. Sunflower oil is imported from Ukraine and Russia, and canola oil from Canada. India is the world's largest importer of edible oils. As of Nov 1, about 647,000 tn of edible oil was at ports, against 565,000 tn a year ago, while 1.85 mln tn was in the pipeline, against 1.15 mln tn during the same period last year, the SEA said.
- Crude palm oil output in Malaysia rose 2.4% on month to 1.8 mln tn in October, data from the Malaysian Palm Oil Board showed. Export of palm oil in October grew 5.7% on month to 1.5 mln tn, while outbound shipments of biodiesel fell 35.6% on month to 18,894 tn, the data showed. Palm oil is also used to make biofuel. Total stocks of palm oil in the country were up 3.7% on month at 2.4 mln tn as of Oct 31. Malaysia is the world's second-largest producer of crude palm oil, and India is the largest consumer of edible oils in the world.
- With the focus to promote development and use of sustainable palm oil production and trade, Solvent Extractors' Association of India and Solidaridad Asia renewed a memorandum of understanding with the Indonesian Palm Oil Board today, according to a statement by SEA. The memorandum was signed in the Indonesia-India joint working group meeting, which took place in Bali, Indonesia. With the memorandum of understanding, all three organisations agreed to facilitate the implementation of Indonesian Sustainable Palm Oil through activities, which advance the interests of producers, processors, users, and consumers through product and market development. "The parties agreed to cooperate on resolution of policy matters through a joint effort, where the interests of the three organisations are amenable," according to the release.
- The Solvent Extractors' Association of India aims to grow genetically modified mustard across 200 farms in the ongoing rabi season and has sought seeds from the farm ministry for the purpose. In a letter to the ministry, the industry body has sought 100 kg of genetically modified mustard seeds to cultivate the crop across 200 model farms during the ongoing rabi season. Under its Mustard Model Farms Program, the solvent extractors' body targets to have 1,000 mustard farms in the major growing states of Rajasthan, Madhya Pradesh, Punjab, and Uttar Pradesh. In a bid to boost production of edible oils, the environment ministry's Genetic Engineering Appraisal Committee had on Oct 25 recommended environmental release of genetically modified mustard. The decision paved the way for commercial cultivation of India's first transgenic food crop. In its letter, the solvent extractors' body expressed hope that GM mustard cultivation "will lead to a yellow revolution to achieve 'atmanirbharta' (self-reliance) in edible oils" for India, a top importer of edible oils.
- The government has exempted wholesalers and big retail companies from stockholding limits on oil and oilseeds with immediate effect, the government said in a release on Tuesday. "As there is considerable decline in the prices of edible oil in the international market as well as the domestic market, the stock limit order was reviewed by the department," the release said. Due to the imposition of stock limits on oil and oilseeds, wholesalers and big chain retail outlets were facing hurdles in sales amid limited quantities, the release said. In October last year, the government had imposed stock limit on edible oil and oilseeds to address the volatility in domestic and global prices and keep a check on hoarding, especially of soybean seeds. It later extended the order till Dec 31. Doing away with the stock limits on wholesalers and big retail companies would allow them to keep various varieties and brands of edible oils. It would also boost the procurement of oilseeds, while ensuring remunerative returns to domestic farmers, the release said.
- India's soymeal exports in September rose 287.5% on year to 31,000 tn, the Soybean Processors Association of India said. For 2021-22 (Oct-Sep), soymeal exports plunged to 650,000 tn from 1.9 mln tn in the previous year. Soymeal is primarily used as poultry and livestock feed. Indian soymeal is non-genetically modified and considered rich in protein.
- India's exports of oilmeals rose 31% on year to 240,669 tn in September, according to data released by the Solvent Extractors' Association of India today. During the first six months of the financial year that began on Apr 1, exports of oilmeals rose 39% on year to 1.8 mln tn. The rise in exports of oilmeals was mainly attributed to the surge in exports of mustard meal that spiked to 1.2 mln tn in Apr-Sep from 605,355 tn in the year-ago period. However, in case of soymeal, exports remained subdued as "India is out priced in the international market", the association said in a release. Exports of soymeal plunged to 121,976 tn in Apr-Sep compared with 161,588 tn a year ago.
- The US Department of Agriculture has scaled down its estimate for global production of oilseeds in 2022-23 (May-Apr) to 645.6 mln tn from 646.6 mln tn. "Lower soybean, sunflowerseed, and cottonseed production is partly offset by higher rapeseed," the agency said in its November report. The agency has projected global soybean output in 2022-23 at 390.5 mln tn, 500,000 tn lower than the estimate in October. The lower estimate is mainly due to a decline in production from Argentina, according to the report. Soybean production in Brazil is estimated at 152 mln tn, steady from last month's projection, while that in Argentina is projected at 49.5 mln tn, against 51.0 mln tn estimated last month. The agency has scaled up its estimate for soybean production in the US, and now sees output at 118.27 mln tn, against its projection of 117.38 mln tn last month. Brazil is the world's top producer of soybean, followed by the US and Argentina. The agency has also scaled up its estimate for global ending stocks of soybean to 102.2 mln tn from 100.5 mln tn in October, with most of the rise in Brazil and China. The estimate for global soyoil production in 2022-23 has also been kept largely unchanged at 61.9 mln tn. However, the estimate for global soyoil exports in 2022-23 has been revised marginally lower to 12.70 mln tn from 12.90 mln tn estimated the previous month. Additionally, the department has projected global soymeal output in 2022-23 at 258.5 mln tn, up from 256.6 mln tn in October. The agency estimates global exports of soymeal at 69.95 mln tn, compared with 69.93 mln tn pegged last month.

TECHNICAL LEVELS

Commodity	Exchange	Open*	High*	Low*	Close*	S3	S2	S1	Pivot	R1	R2	R3
JEERAUNJHA DEC2	NCDEX	24560	24895	24560	24690	24200	24380	24535	24715	24870	25050	25205
TMCFGRNZM DEC2	NCDEX	7078	7288	7078	7270	6926	7002	7136	7212	7346	7422	7556
DHANIYA DEC2	NCDEX	10010	10386	9886	10006	9299	9593	9799	10093	10299	10593	10799
CASTORSEED DEC2	NCDEX	7430	7490	7414	7472	7351	7414	7427	7459	7503	7535	7579
GUARSEED10 DEC2	NCDEX	5894	6158	5828	6158	5608	5718	5938	6048	6268	6378	6598
GUARGUM5 DEC2	NCDEX	12250	12860	12250	12860	11843	12047	12453	12657	13063	13267	13673
MENTHAOIL NOV2	MCX	950.0	950.0	950.0	950.0	950	950	950	950	950	950	950
COCUDAKL DEC2	NCDEX	2760	2818	2760	2790	2703	2731	2761	2789	2819	2847	2877
KAPAS APR3	NCDEX	1695.0	1718.5	1692.0	1716.5	1673	1683	1700	1709	1726	1736	1753
COTTON NOV2	MCX	33000	33400	32800	33000	32133	32467	32733	33067	33333	33667	33933

Pivot Point: A predictive indicator of the market which is calculated as an average of significant prices from the performance of a market in the prior trading period. An open above the pivot point is generally considered bullish and vice versa.
 S1, S2 & S3 are supports and R1, R2, and R3 are resistances from where a turnaround can be anticipated.
 *Open, High, Low and Close prices of previous trading day / ^Cottonseed Oil Cake

TRADING SIGNALS

Commodities	Exchange	Intraday	Medium term		RSI		Volatility	
		View	13 day EMA	22 day EMA	Condition	Trending	1 day	Annualised
JEERAUNJHA DEC2	NCDEX	POSITIVE	POSITIVE	POSITIVE	Neutral	Strong	1.26%	20.0%
TMCFGRNZM DEC2	NCDEX	POSITIVE	NEGATIVE	NEGATIVE	Neutral	Strong	2.16%	34.3%
DHANIYA DEC2	NCDEX	POSITIVE	NEGATIVE	NEGATIVE	Neutral	Strong	2.32%	36.8%
GUARSEED10 DEC2	NCDEX	POSITIVE	POSITIVE	POSITIVE	Overbought	Weak	2.72%	43.1%
GUARGUM5 DEC2	NCDEX	POSITIVE	POSITIVE	POSITIVE	Overbought	Weak	3.99%	63.4%
CASTORSEED DEC2	NCDEX	POSITIVE	POSITIVE	POSITIVE	Overbought	Strong	0.63%	10.0%
KAPAS APR3	NCDEX	POSITIVE	POSITIVE	POSITIVE	Neutral	Strong	2.01%	31.9%
COTTON NOV2	MCX	POSITIVE	POSITIVE	POSITIVE	Neutral	Strong	2.02%	32.1%
COCUDAKL DEC2	NCDEX	POSITIVE	POSITIVE	POSITIVE	Neutral	Strong	1.85%	29.4%
MENTHAOIL NOV2	MCX	NEGATIVE	NEGATIVE	NEGATIVE	Neutral	Strong	0.52%	8.3%

Trading signals is prepared based on statistical analysis and is purely on technical indicators like exponential moving averages (EMAs), Relative strength Index (RSI) and stochastic, putting altogether provides an idea about intraday, short, medium and long term trend of the commodities. It also signals the risk of an investment in both agricultural and global commodities as well. Based on all listed indicators above, investors were able to fix a daily, near-term and long term trends. However, must be cautious especially for real-time intraday traders/jobbers.

Trading Strategy based on EMA

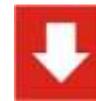
Trading strategies mentioned in the report is mainly based on 3, 5, 13, 22, 45 & 60 days exponential Moving Averages. 3 and 5 day EMA has taken for developing Intraday trading strategy, 13 days and 22 days EMA for Short term and Medium term, while 45,60 days EMA for Long term. Here, we use EMAs for POSITIVE and NEGATIVE signals. POSITIVE signal is formed when a short-term moving average (eg: 30 day) crosses from below a longer-term average (eg: 60 day), which is considered bullish. Likewise, NEGATIVE signal is formed when a short-term moving average (eg: 30 day) crosses from above a longer-term moving average (eg: 60 day), which is considered bearish.

Intraday and Overall view The section is consist of both Intraday and Overall view. The Intraday view is calculated by netting out of POSITIVES/NEGATIVES/FLAT signals

Annualised Volatility >	Risk %	Ratings	Risk %	Ratings	Risk %	Ratings	Risk %	Ratings	Risk %	Ratings
> 35%	> 35%	Very High risk	27 to 34%	High risk	20 to 26%	Moderate risk	11 to 19%	Low risk	1 to 10%	Very Low risk



Strong bias or bullish



Weak bias or bearish



Mild bullish bias



Choppy or Sideways



Mild bearish bias



Choppy with positive note



Choppy with negative note

GENERAL DISCLOSURES & DISCLAIMERS:

CERTIFICATION

I, Anu V Pai, employee of Geojit Financial Services Limited (GFSL), author of this report, hereby certify that all the views expressed in this research report (report) reflect my/ our personal views about any or all of the subject issuer or securities/ commodities.

DISCLAIMER

This report has been prepared by GFSL and the report & its contents are the exclusive property of GFSL and the recipient cannot tamper with the report or its contents in any manner and the said report, shall in no case, be further distributed to any third party for commercial use, with or without consideration.

GFSL has taken steps to ensure that facts in this report are based on reliable information but cannot testify, nor make any representation or warranty, express or implied, to the accuracy, contents or data contained within this report. It is hereby confirmed that wherever GFSL has employed a rating system in this report, the rating system has been clearly defined including the time horizon and benchmarks on which the rating is based.

Descriptions of any Commodity or Commodities mentioned herein are not intended to be complete and this report is not, and should not be construed as an offer or solicitation of an offer, to buy or sell any commodity or other financial instruments. GFSL has not taken any steps to ensure that the commodity/(ies) referred to in this report are suitable for any particular investor. This Report is not to be relied upon in substitution for the exercise of independent judgment. Opinions or estimates expressed are current opinions as of the original publication date appearing on this Report and the information, including the opinions and estimates contained herein, are subject to change without notice. GFSL is under no duty to update this report from time to time.

RISK DISCLOSURE

Geojit Financial Services Limited and/or its Affiliates and its officers, directors and employees including the analyst/authors shall not be in any way be responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. Investors may lose his/her entire investment under certain market conditions so before acting on any advice or recommendation in these material, investors should consider whether it is suitable for their particular circumstances and, if necessary, seek professional advice. This report does not take into account the specific investment objectives, financial situation/circumstances and the particular needs of any specific person who may receive this document. The user assumes the entire risk of any use made of this information. Each recipient of this report should make such investigation as it deems necessary to arrive at an independent evaluation of an investment in the Commodity/(ies) referred to in this report (including the merits and risks involved). The price, volume and income of the investments referred to in this report may fluctuate and investors may realize losses that may exceed their original capital.

The investments or services contained or referred to in this report may not be suitable for all equally and it is recommended that an independent investment advisor be consulted. In addition, nothing in this report constitutes investment, legal, accounting or tax advice or a representation that any investment or strategy is suitable or appropriate to individual circumstances or otherwise constitutes a personal recommendation of GFSL.

REGULATORY DISCLOSURES:

Geojit Financial Services Limited's Associates consists of companies such as Geojit Technologies Private Limited (GTPL- Software Solutions provider), Geojit Credits Private Limited (GCPL- NBFC Services provider), Geojit Investment Services Limited (GISL- Corporate Agent for Insurance products), Geojit Financial Management Services Private Limited (GFMSL) & Geojit Financial Distribution Private Limited (GFDPL), (Distributors of Insurance and MF Units). In the context of the SEBI Regulations on Research Analysts (2014), Geojit Financial Services Limited affirms that we are a SEBI registered Research Entity and we issue research reports /research analysis etc that are prepared by our Research Analysts. We also affirm and undertake that no disciplinary action has been taken against us or our Analysts in connection with our business activities.

In compliance with the above mentioned SEBI Regulations, the following additional disclosures are also provided which may be considered by the reader before making an investment decision:

1. Disclosures regarding Ownership:

GFSL confirms that:

It/its associates have no financial interest or any other material conflict in relation to the subject Commodity futures covered herein at the time of publication of this report.

Further, the Research Analyst confirms that:

He, his associates and his relatives have no financial interest in the subject Commodity futures covered herein, and they have no other material conflict in the subject Commodity at the time of publication of this report.

2. Disclosures regarding Compensation:

During the past 12 months, GFSL or its Associates have not received any compensation or other benefits from any entity/ third party in connection with the Commodity futures mentioned in this report.

3. Disclosure regarding the Research Analyst's connection with the Commodity futures:

It is affirmed that I, Anu V Pai employed as Research Analysts by GFSL and engaged in the preparation of this report have no substantial ownership or financial interest over any Commodity futures mentioned in the report.

4. Disclosure regarding Market Making activity:

Neither GFSL nor its Research Analysts have engaged in market making activities for the subject Commodity futures.

Copyright in this report vests exclusively with GFSL

Geojit Financial Services Ltd.,34/659-P, Civil Line Road, Padivattom, Kochi - 682024
Toll-Free Number: 1800-425-5501 / 1800-103-5501, Paid Number: 91 - 484 - 2901000
Research Entity SEBI Registration Number: INH200000345
Email id: customercare@geojit.com, Web: www.geojit.com

SEBI Stock Broker Registration No INZ000104737, Research Entity SEBI Reg No: INH200000345, Investment Adviser SEBI Reg No: INA200002817, Portfolio Manager:INP000003203, SEBI Registration No. Stock Broker: INZ000104737 / Depository Participant: IN-DP-325-2017, ARN Regn.Nos:0098, IRDA Corporate Agent (Composite) No.: CA0226.