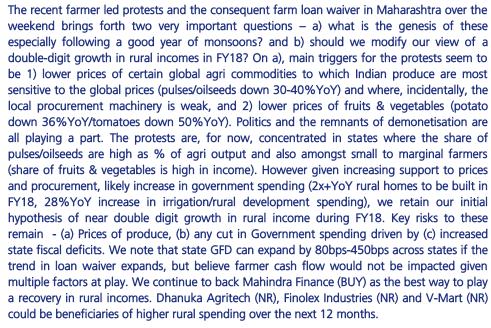
12 June 2017 India | Strategy

India Strategy

Retain estimate of double digit growth in rural incomes in FY18



- Farm loan waiver, increase in support prices, concerns on vegetable prices tops list of demands:.The key demands during the current farmer protests have been: (a) farm loan waiver, (b) price support for pulses/oilseeds, vegetables, (c) raising procurement prices for milk to INR 50/litre (vs. INR 36-37/litre at present), and (d) increase in subsidies, social support (pensions) and improved implementation of policies. We have been commenting on the stagnant rural incomes in our rural survey reports (estimated rural income CAGR over '12-17 is 4% (nil for agri-income) vs. 12% over the previous ten years). The protests are concentrated in states where the share of global agri commodities in farm income is likely the highest, Maharashtra, Madhya Pradesh and Rajasthan (exhibit 12) and amongst small/marginal farmers for whom income from fruits/vegetables are high.
- Global commodity prices have been soft: The domestic prices of commodities such as oilseeds, pulses, fibre (cotton) and spices are highly influenced by the international commodity prices. During CY14-16, the FAO global price index declined 11% (CAGR), against 5% growth over CY09-14, and the current global food price outlook remains benign. As a result, India's agri-exports (FY17: US\$33bn) declined at a CAGR of 5% during FY15-17, against a strong 25% growth over the previous five years. For Indian agri basket, the highest sensitivity to global agri prices are in pulses, oilseeds (see exhibit 1/2) with the correlation with wheat/rice prices being low.
- Impact on state fiscal deficits: We also analyse the impact on Gross fiscal deficit (GFD) of states if 35% of the agri-loans (to the small and marginal farmer) are waived off. GFD can expand by 80bps-450bps (exhibit 20) and 11 out of 14 states analysed, GFD would breach the FRBM limit of 3%. We also note that states can use relaxation in the fiscal rule, but would watch the progress made on the budgeted capital expenditure, as historically, states have reduced capex to maintain their fiscal targets.
- Retain expectations of double-digit growth in rural incomes in FY18: We believe the current healthy monsoon outlook (98% of LPA) will enable increased investments in farming across the agri-input chain and initial trends from Kharif sowing are encouraging (+13% YoY, Cotton: +43% YoY). As highlighted in our previous report (Rural safari-V), we also expect strong double digit growth in construction activity driven by government led spending on rural housing, irrigation and rural development (see exhibit 21/22/23).



Suhas Harinarayanan suhas.hari@jmfl.com Tel: (+91 22) 66303037

Arshad Perwez

arshadperwez@jmfl.com Tel: (+91 22) 66303080

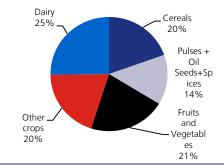
Vaikam Kumar S

vaikam.kumar@jmfl.com Tel: (+91 22) 66303018

Aishwarya Pratik Sonker

aishwarya.sonker@jmfl.com Tel: (+91 22) 66303351

Exhibit A. Break-up of Crop realisation from agri activities



Source: CMIE, FY16

Exhibit B. States and share of agri-output from pulses+oilseeds

| State | Estimated % of Pulse+Oilseeds output to total output |
|----------------|--|
| Madhya Pradesh | 26% |
| Rajasthan | 22% |
| Maharashtra | 19% |
| Gujarat | 17% |
| Karnataka | 11% |
| AP | 7% |
| Tamil Nadu | 6% |
| Haryana | 4% |
| UP | 4% |

Source: NSSO, CMIE, JM Financial, *Estimated

JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters S&P Capital IQ and FactSet

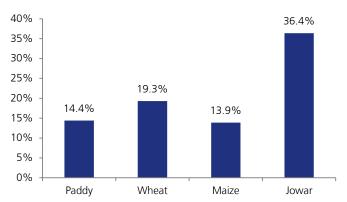
Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Farm income impacted by global agri-commodity price weakness

The prices of Indian agri-commodities are driven by (a) local supply-demand, (b) MSP announced by the Government and (c) international price trends. Overall, prices for agri-commodities, particularly ex of Cereals are impacted more by global price trends, as barring Cereals, procurement of most other crop output is not consistent.

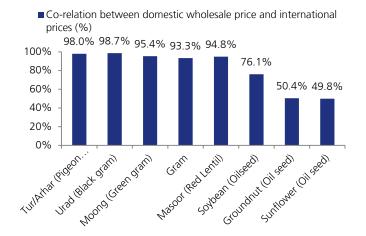
Exhibit 1.Cereals have weak corelation between domestic wholesale prices and global prices

■ Co-relation between domestic wholesale price and international prices (%)



Source: JM Financial, CACP, Note: Quarterly price data from FY11 to FY16

Exhibit 2. Pulses and Oil-seeds domestic pices have high co-relation with international prices



Source: JM Financial, CACP, Note: Quarterly price data from FY11 to FY16

In addition within Cereals, global prices impact realisation for farmers through lower export earnings (for example Basmati rice which forms c.10% of India's agri-export basket has seen sustained price decline in global markets and thereby impacted realisation for Indian farmers).

We have analysed the key segments of agriculture output and estimate that almost 1/4th or 25% of the realisations have high impact from global commodity prices.

| Category | culture output (including dairy) - Share in output (%) | Impact of global agri-prices |
|-----------------------------|---|------------------------------|
| | • • • | |
| Rice | 8.2% | Moderate* |
| Wheat | 8.3% | Moderate |
| Coarse Cereals | 3.0% | Moderate |
| Total Cereals | 19.6% | |
| Pulses | 4.6% | High |
| Oilseeds | 5.6% | High |
| Sugar | 5.1% | Low |
| Fibre | 2.9% | High |
| Condiments and Spices | 4.0% | High |
| Fruits and Vegetables | 21.3% | Low |
| Other Crop related products | 11.9% | Moderate |
| Total Crop | 74.8% | |
| Dairy | 25.2% | Moderate** |
| Total | 100.0% | |

Source: JM Financial, CMIE, JM Financial, Ref: Share as of FY16, "— Basmati rice (exports) has high impact on global prices on accunt of exports, , **- Varies from state to state

Global agri-commodity prices have been weak since past 2-3 years

Global agri-commodity prices have been soft during the past 2-3 years largely driven by improved global food stocks and decline in oil prices (oil prices and agri-commodity prices are co-related). Overall, during CY14-16, the Food and Agriculture Organisation (FAO) global price index declined at 11% CAGR, against a sustained 5% growth over CY09-14.

Exhibit 4.Global Food prices Index (FAO index) have been soft since the past 2-3 years

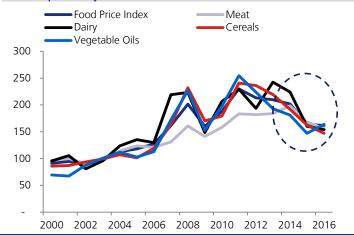
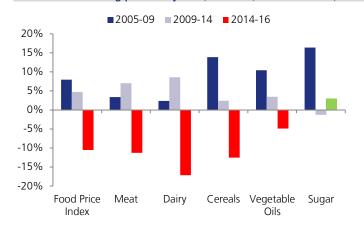


Exhibit 5.Barring sugar, most of the other agri-commodity saw deflation during past two years (CAGR %, FAO sub-index)

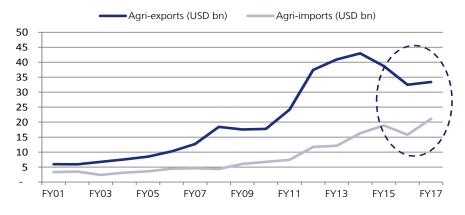


Source: FAO, Food and Agriculture Organisation

Source: FAO

Indian agriculture exports has also been weak during past 2 years, given decline from key countries (China, Iran) and weakening of the agri-commodity prices. The details on commodity wise exports/imports growth over the years has been shared in Appendix 1.

Exhibit 6.Agri-exports has been adversely impacted during past 2-3 years, imports have remained largely steady driven by import of pulses



Source: CMIE

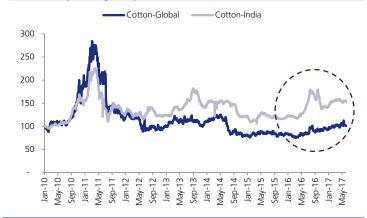
Decline in international prices of pulses and oilseeds have adversely impacted farm incomes

Given the strong co-relation of prices of pulses and oilseeds in Indian market with global prices, the current weak trend across pulses/oilseeds has reflected in Indian markets. Among major crops, only cotton has shown strong price trend currently and is held by the strong pricing internationally.

Exhibit 7. Soya bean price (c.45% produced in MP) has been lacklustre during the past few months (indexed to Jan-10)



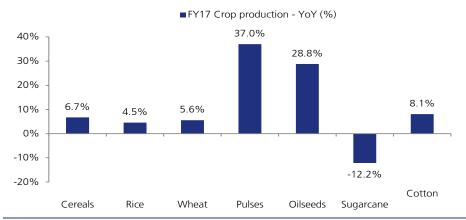
Exhibit 8.Cotton prices (also linked with global prices) however, has held up during the past few months (indexed toJan-10)



Source: JM Financial, Bloomberg

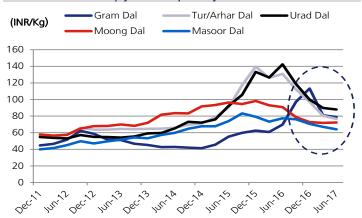
Strong domestic production of Pulses and Oilseeds during FY17 have added to price pressure

Exhibit 9.After two deficit years, normal monsoon drove a strong growth in crop production during FY17



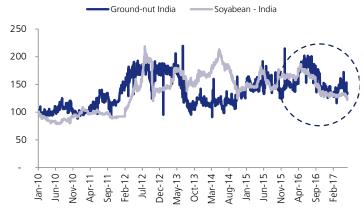
Source: CMIE

Exhibit 10.Barring Gram, domestic wholesale prices of all pulses have come down sharply over the past 1 year



Source: Minsitry of Consumer Affairs

Exhibit 11.Prices of Oil-seeds similarly have seen declining trend in prices



Source: Bloomberg, Indexed to Jan 10 (100)

Production during FY17 was strong as rains normalized after two deficit years and Pulses and Oilseed production increased by c.37%/28% YoY respectively. A strong increase in supply amidst a weak global commodity pricing environment has put pressure on prices of Pulses

and Oil-seeds. However, it is to be noted that the prices still remain ahead of the MSP declared for them, and are lower from the peak they had gone during last 2 years on account of weak domestic production. Cereal prices on the other hand have largely remained steady and continue to increase over the years driven by MSP increases and strong procurement support by the Government.

Ranking of states with the agriculture output share obtained from pulses+oilseeds

We have analysed the realisation earned across states from agriculture and related activities. Among states, we find that MP, Rajasthan, Maharashtra and Gujarat lead in terms of agriculture output share from commodities (pulses+oilseeds) which have seen high price pressure in recent period.

Exhibit 12.Break-up of agricultural output per state from key agri/farm category (proxy to farmer income) — Pulses+Oilseeds and Spices have seen price deflation and thereby farmers with higher income from these crops would be more impacted

| State | Total Cereals | Pulses + Oilseeds | Spices | Cotton | Sugarcane | Fruits and Vegetables | Dairy | Other crops |
|----------------|---------------|-------------------|--------|--------|-----------|--------------------------|-------|-------------|
| Madhya Pradesh | 17% | 26% | 3% | 2% | 1% | 19% | 20% | 12% |
| Rajasthan | 17% | 22% | 6% | 1% | 0% | 2% | 40% | 11% |
| Maharashtra | 9% | 19% | 1% | 8% | 13% | 18% | 19% | 13% |
| Gujarat | 7% | 17% | 9% | 11% | 2% | 20% | 25% | 9% |
| Karnataka | 15% | 11% | 4% | 2% | 10% | 25% | 20% | 13% |
| Andhra Pradesh | 14% | 7% | 10% | 6% | 2% | 21% | 25% | 15% |
| Tamil Nadu | 14% | 6% | 3% | 1% | 11% | 22% | 29% | 13% |
| Haryana | 33% | 4% | 1% | 5% | 3% | 10% | 32% | 12% |
| Uttar Pradesh | 26% | 4% | 1% | 0% | 13% | 18% | 28% | 11% |
| West Bengal | 21% | 4% | 2% | - | - | 41% | 14% | 17% |
| Bihar | 21% | 3% | 0% | - | 4% | 32% | 28% | 11% |
| Punjab | 43% | 0% | 1% | 3% | 2% | 9% | 32% | 11% |
| Kerala | 3% | 0% | 7% | 0% | 0% | 32% | 35% | 23% |
| Others | 23% | 6% | 6% | 0% | 1% | 37% | 19% | 8% |
| All India | 20% | 10% | 4% | 3% | 5% | 21% | 25% | 12% |

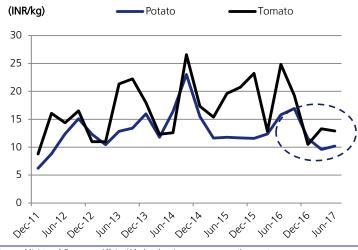
Source: CMIE, NSSO, JM Financial, This is an estimated figure based on national output and state's share

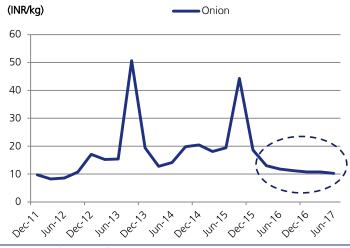
Weak trend in vegetable prices

Historically, vegetable and fruit prices have been volatile and thereby farmers stored the produce (for example potatoes for 6-9 months) and then sell when prices recover and are above their production cost at least. Driven by healthy crop production, vegetable prices have remained depressed for almost a year now, thereby rendering the stored crop also as waste.

Exhibit 13.Price trend of vegetables (wholesale) – Prices have remained low for around a year now

Exhibit 14.Onion prices have seen extreme volatility in past; however it has remained steadily low for the past 1.5 years





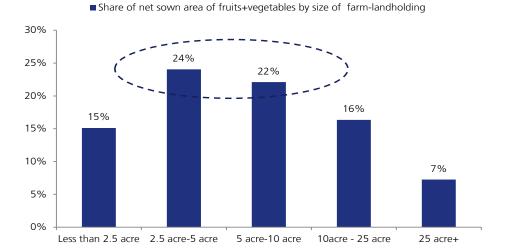
Source: Ministry of Consumer Affairs, Whole sale price average across the country

Source: Ministry of Consumer Affairs, Whole sale price average across the country

Our interactions across states highlighted that at many places onions/potatoes were purchased at INR 2-4/kg, while the cost of production and transportation to markets itself would be in the order of INR5-6/kg at least.

We had highlighted in the previous rural safari that the sustained weakness in vegetable & fruit prices would impact a smaller farmer more than the large farmer, as overall the share of fruits/vegetables produce is higher for smaller farmers, than the larger one.

Exhibit 15.Small farmers obtain higher share of their income from fruits & vegetables

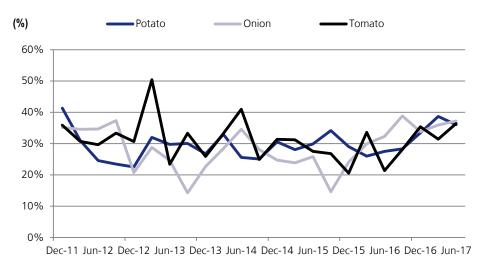


Source: NSSO

Despite low whole-sale prices of vegetables/fruits, the retail prices consistently remain high by at least 30-40% (exhibit below). Our interactions indicated that price difference (farmer and

retail price) goes up to much higher to even 60-70% at some places; and thereby improvement in procurement mechanism should be a high priority for the Government.

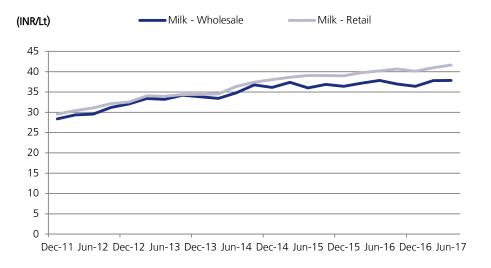
Exhibit 16.Difference in retail prices and whole-slare prices for key vegetables



Source: Ministry of Consumer Affairs, Whole sale price average across the country

Another issue which has been highlighted through the current protests is demand for raising the procurement prices of milk from an average of INR36-37/litre to INR50/litre, as the increase in costs have led to weakening of dairy economics.

Exhibit 17.Enhancement in milk procurement prices have also emerged as a key demand across the current protests – A largely flat milk procurement prices over past 3-4 years has led to deterioration in dairy economics



Source: Ministry of Consumer Affairs, Whole sale price average across the country

Increasing demand for farm loan waiver

Post the farm-waiver announced in the state of Uttar Pradesh (UP) in Apr'17, there have been increasing demands for farm loan waiver across states such as in Maharashtra (which was announced on Jun 11th) and now in Madhya Pradesh. Agri-credit at INR8.8tn amounts to 12% of the total banking credit out-standing with top 5 states accounting for 50% of the loan out-standing (exhibit below).

Exhibit 18.Scheduled commercial banks' credit outstanding (Rs bn) per state; top-5 states account for 50% of agri-credit and top-10 account for 80% of the credit

| State | Agri-cultural credit outstanding (Rs bn) | SCB agri-credit as % of total credit | Share of India's total agri-cultural credit outstanding (%) |
|----------------|--|--------------------------------------|---|
| Tamil Nadu | 1,153 | 17.1% | 13.1% |
| Maharashtra | 928 | 4.2% | 10.5% |
| Uttar Pradesh | 818 | 28.5% | 9.3% |
| Andhra Pradesh | 742 | 34.4% | 8.4% |
| Karnataka | 718 | 15.3% | 8.2% |
| Punjab | 591 | 31.7% | 6.7% |
| Rajasthan | 577 | 31.6% | 6.6% |
| Madhya Pradesh | 469 | 27.8% | 5.3% |
| Kerala | 452 | 19.9% | 5.1% |
| Gujarat | 435 | 11.1% | 5.0% |
| Telangana | 387 | 10.9% | 4.4% |
| Haryana | 355 | 21.3% | 4.0% |
| West Bengal | 249 | 7.7% | 2.8% |
| Bihar | 214 | 29.9% | 2.4% |
| Delhi | 123 | 1.3% | 1.4% |
| Total – Top-15 | 8,210 | 12.0% | 93.4% |
| All India | 8,793 | 12.1% | 100.0% |

Source: RBI, Note: Data as of Sep-16, UP and Maharashtra have announced farm loan waivers

to delicate decident

We believe, demand for farm waivers is likely to intensify as we get closer to the 2019 general elections and any large farm waivers are likely to further stretch state Government finances. As of now, State of UP has announced Rs360bn (44% of total out-standing loans) and news reports suggest Maharashtra Government would spend Rs300bn on the farm-loan waiver.

Exhibit 19.Average agricultural debt across states – UP tops the states in terms of agrihouse-holds with debt

| State | Indebted agri house-holds (mn) | Agri-households (mn) | Rural House- holds (mn) | Average debt –Rs (less than 5 acre) | Average debt across size (Rs) |
|----------------|--------------------------------------|-------------------------|----------------------------|--|-------------------------------|
| Uttar Pradesh | 7.9 | 18.0 | 24.1 | 32,800 | 27,300 |
| Maharashtra | 4.1 | 7.1 | 12.5 | 35,867 | 54,700 |
| Rajasthan | 4.0 | 6.5 | 8.3 | 74,883 | 70,500 |
| Andhra Pradesh | 3.3 | 3.6 | 8.7 | 119,800 | 123,400 |
| West Bengal | 3.3 | 6.4 | 14.1 | 23,167 | 17,800 |
| Karnataka | 3.3 | 4.2 | 7.7 | 78,783 | 97,200 |
| Bihar | 3.0 | 7.1 | 14.1 | 22,767 | 16,300 |
| Madhya Pradesh | 2.7 | 6.0 | 8.5 | 19,533 | 32,100 |
| Tamil Nadu | 2.7 | 3.2 | 9.4 | 97,383 | 115,900 |
| Odisha | 2.6 | 4.5 | 7.8 | 18,917 | 28,200 |
| Telangana | 2.3 | 2.5 | 4.9 | 83,900 | 93,500 |
| Gujarat | 1.7 | 3.9 | 5.9 | 22,817 | 38,100 |
| Kerala | 1.1 | 1.4 | 5.1 | 260,450 | 213,600 |
| Chhattisgarh | 1.0 | 2.6 | 3.7 | 6,300 | 10,200 |
| Punjab | 0.7 | 1.4 | 2.8 | 96,933 | 119,500 |
| Haryana | 0.7 | 1.6 | 2.6 | 62,067 | 79,000 |
| Jharkhand | 0.6 | 2.2 | 3.8 | 5,950 | 5,700 |
| Assam | 0.6 | 3.4 | 5.2 | 3,950 | 3,400 |
| Top 19 states | 45.5 | 85.7 | 149.2 | | - |
| India | 46.8 | 90.2 | 156.1 | 42,467 | 47,000 |

Source: NSSO, 2013

The table below highlights the impact on state GFD if the farm loans to smaller farmers (approximately 35% of outstanding agri loan) is waived off across states. We find that GFD can increase between 80bps-450bps across states and 11 out of 14 states would breach the FRBM target of 3% of GFD.

Exhibit 20.Impact on state fiscal deficit from farm loan waiver (35% of out-sanding agri-loans); State budgets have high growth estimates for irrigation/rural capex; needs to be monitored in case farm-loans

| State | Farm loan out-standing (Rs bn) | Gross Fiscal Deficit % (FY18BE) | 35% of outstanding loans/State GSDP | FY18- Irrigation /Rural Spending growth – YoY (%) | Share of irrigation/rural spending in Capex growth (%) |
|----------------|-----------------------------------|------------------------------------|---|--|---|
| Tamil Nadu | 1,153 | 2.9% | 2.7% | 92.3% | 9.2% |
| Maharashtra | 928 | 1.5% | 1.3% | 7.8% | 26.1% |
| Uttar Pradesh* | 818 | 3.9% | 2.2% | - | - |
| Andhra Pradesh | 742 | 3.0% | 3.4% | 62.1% | 52.2% |
| Karnataka | 718 | 2.6% | 2.0% | 46.9% | 39.3% |
| Punjab* | 591 | 2.9% | 4.5% | - | - |
| Rajasthan | 577 | 3.0% | 2.4% | 22.4% | 33.2% |
| Madhya Pradesh | 469 | 3.5% | 2.2% | 13.5% | 26.5% |
| Kerala | 452 | 3.4% | 2.1% | 42.4% | 8.0% |
| Gujarat | 435 | 1.8% | 1.2% | 16.5% | 31.8% |
| Telangana | 387 | 3.5% | 1.8% | 3.9% | 40.7% |
| Haryana | 355 | 2.8% | 2.0% | 177.9% | 15.1% |
| West Bengal | 249 | 1.7% | 0.8% | 41.6% | 15.6% |
| Bihar | 214 | 2.9% | 1.2% | 31.9% | 27.2% |

Source: JM Financial, State Budgets, RBI, *- FY17BE for UP and Punjab from the RBI study

Increased investments during FY18 to drive non-farm income growth

Government allocation across select projects around rural scheme have increased in FY18

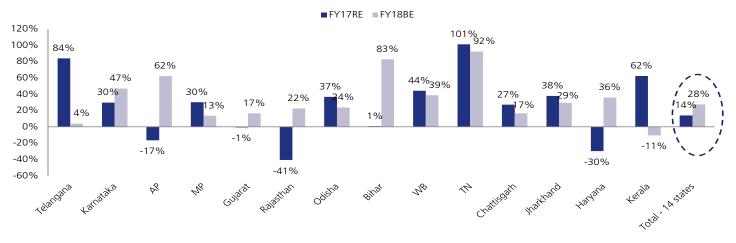
Overall, among large central schemes, there has been 11% higher allocation in FY18, after a 24% increase in FY17. On an incremental basis, some schemes such as PMAY-Rural (housing), Swachh Bharat (sanitation), Green Revolution (crops), DDUGJY (rural electrification) and NRLM (rural jobs) have seen high growth.

Among other schemes, MGNREGA allocation has been largely flat after strong growth in FY17, PMGSY has seen flat allocation, while central allocation on crop insurance is lower after allocation of Rs 132bn (almost 2.5x of budgeted amount). As we have seen in the state budget analysis, spending on rural areas/agriculture has been the focus of the state government's as well; we believe, the combined spend of centre+state should accelerate infrastructure/job creation activities and thereby non-farm income during FY18.

| Exhibit 21.Outlay on central schemes | | | | | | | | |
|---|--------------------|--------|--------|---------|---------|---------|---------|-------------------------|
| | Allocation – Rs bn | | | YoY (%) | | | | |
| Schemes (Rs bn) | FY16 | FY17BE | FY17RE | FY18BE | FY17 BE | FY17 RE | FY18 BE | FY16-18 BE -CAGR (%) |
| MGNREGA | 373 | 385 | 475 | 480 | 3.1% | 27.2% | 1.1% | 13.4% |
| PMAY: Rural | 101 | 150 | 160 | 230 | 48.3% | 58.2% | 43.8% | 50.8% |
| National Rural Health Mission | 183 | 181 | 195 | 212 | -0.9% | 6.6% | 8.9% | 7.7% |
| Pradhan Mantri Gram Sadak Yojna | 183 | 190 | 190 | 190 | 3.9% | 3.9% | 0.0% | 1.9% |
| Interest subsidy for short-term credit to farmers | 130 | 150 | 136 | 150 | 15.4% | 4.8% | 10.1% | 7.4% |
| Swachh Bharat Mission (SBM) – Rural | 67 | 90 | 105 | 139 | 34.3% | 56.6% | 32.8% | 44.3% |
| Green Revolution | 98 | 126 | 104 | 137 | 28.5% | 6.0% | 32.6% | 18.6% |
| Crop Insurance Scheme | 30 | 55 | 132 | 90 | 84.4% | 343.8% | -32.0% | 73.7% |
| Pradhan Mantri Krishi Sinchai Yojana | 78 | 58 | 52 | 74 | -25.9% | -33.3% | 42.2% | -2.6% |
| National Rural Drinking Water Mission | 44 | 50 | 60 | 61 | 14.4% | 37.3% | 0.8% | 17.7% |
| Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) | 45 | 30 | 34 | 48 | -33.3% | -25.6% | 43.7% | 3.4% |
| National Rural Livelihood Mission | 25 | 30 | 30 | 45 | 19.3% | 19.3% | 50.0% | 33.8% |
| White Revolution | 9 | 11 | 13 | 16 | 21.5% | 40.0% | 24.5% | 32.1% |
| Blue Revolution | 2 | 2 | 4 | 4 | 23.5% | 96.0% | 2.3% | 41.6% |
| Total | 1,368 | 1,508 | 1,689 | 1,877 | 10.3% | 23.5% | 11.1% | 17.1% |

Source: Union Budget, JM Financial

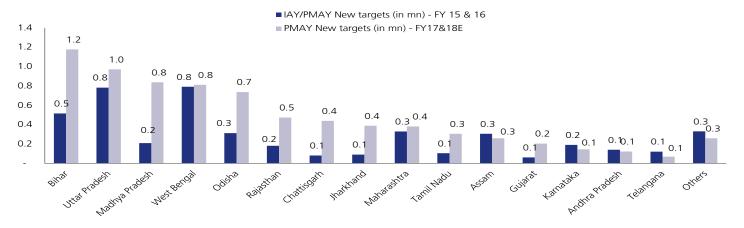
Exhibit 22.Increase in Irrigation Spending during FY18 – Capex spend in FY18 up by 28% YoY (FY17: 14%) on irrigation by states; along with Centre's spending on PMKSY would boost irrigation efforts (particularly micro-irrigation)



Source: State Budgets, JM Financial, Note: States arranged in decreasing order of absolute spending (FY18, Rs bn) for irrigation capital expenditure

A strong push towards rural housing through PM Awas Yojana is likely to boost non-farm income during FY18.

Exhibit 23.Rural Housing – PMAY target to build 7.6n houses in FY18, up from 3.2mn houses built in FY17 (from earlier schemes) – Construction related income thereby to accelerate during FY18 – Amount per house construction raised from Rs70,000 to 120,000



Source: PMAY, JM Financial: Note: Past allocations on new Indira Awas Yojana (IAY) house targets—FY13 & FY14 (5.3mn), FY15 & FY16 (4.2mn), FY17 & FY18 (7.3mn). During FY17, the government focused on completing earlier IAY houses and built c.0.32mn houses, therefore combined targets of PMAY (FY17 & 18) would be constructed in FY18 itself

Appendix 1: India's farm exports/import trend

| Exhibit 24.Break-up of key items in | n agri-exports and th | ne trend | | | |
|-------------------------------------|-----------------------|----------|---------|---------|--|
| Agricultural & allied products | Exports - F | Y 17 | CAGR (| %) | |
| | USD mn S | hare (%) | FY10-15 | FY15-17 | |
| Marine products | 5,917 | 17.7% | 21.4% | 2.4% | |
| Rice | 5,772 | 17.3% | 27.0% | -9.8% | |
| Meat & preparations | 4,052 | 12.1% | 30.0% | -6.3% | |
| Spices | 2,887 | 8.6% | 13.3% | 5.9% | |
| Cotton raw including waste | 1,632 | 4.9% | 16.4% | -5.0% | |
| Fresh vegetables & Fruits | 1,593 | 4.8% | 7.7% | 8.2% | |
| Oilseeds | 1,361 | 4.1% | 22.9% | -7.8% | |
| Sugar & molasses | 1,334 | 4.0% | 101.2% | 13.9% | |
| Tobacco | 961 | 2.9% | 0.9% | 0.1% | |
| Coffee | 845 | 2.5% | 16.6% | 1.3% | |
| Groundnuts | 813 | 2.4% | 15.1% | 2.1% | |
| Tea | 734 | 2.2% | 1.9% | 2.5% | |
| Others | 5,514 | 16.5% | 27.2% | -23.1% | |
| Total exports | 33,415 | 100.0% | 24.7% | -4.8% | |

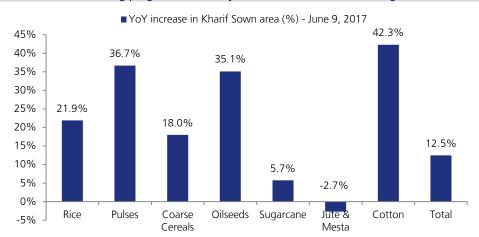
Source: CMIE, JM Financial

| | Imports - | FY 17 | CAGR (%) | | |
|----------------------------|-----------|-----------|----------|---------|--|
| | USD mn | Share (%) | FY10-15 | FY15-17 | |
| Vegetable oils (edible) | 10,888 | 42.6% | 13.7% | 1.3% | |
| Pulses | 4,252 | 16.6% | 6.2% | 23.4% | |
| Fresh fruits | 1,676 | 6.5% | 20.9% | 3.5% | |
| Cashew | 1,346 | 5.3% | 10.9% | 11.7% | |
| Wheat | 1,268 | 5.0% | -27.2% | 1026.2% | |
| Sugar and molasses | 1,025 | 4.0% | -13.6% | 30.2% | |
| Cotton raw including waste | 945 | 3.7% | 14.1% | 36.5% | |
| Spices | 858 | 3.4% | 18.9% | 9.3% | |
| Natural rubber | 652 | 2.5% | 19.3% | -10.6% | |
| Alcoholic beverages | 534 | 2.1% | - | 14.1% | |
| Others | 2,139 | 8.4% | -3.9% | 23.5% | |
| Total imports | 25,581 | 100.0% | 12.4% | 10.2% | |

Source: CMIE, JM Financial

Appendix 2: Kharif sowing trend

Exhibit 26.Kharif sowing progress – A healthy start to the FY18 kharif sowing season



Source: PIB

APPENDIX I

JM Financial Institutional Securities Limited

Corporate Identity Number: U65192MH1995PLC092522

Member of BSE Ltd. and National Stock Exchange of India Ltd. and Metropolitan Stock Exchange of India Ltd.

SEBI Registration Nos.: BSE - INZ010012532, NSE - INZ230012536 and MSEI - INZ260012539, Research Analyst – INH000000610

Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.

Board: +9122 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com

Compliance Officer: Mr. Sunny Shah | Tel: +91 22 6630 3383 | Email: sunny.shah@jmfl.com

| Definition of ratings | | | |
|-----------------------|--|--|--|
| Rating | Meaning | | |
| Buy | Total expected returns of more than 15%. Total expected return includes dividend yields. | | |
| Hold | Price expected to move in the range of 10% downside to 15% upside from the current market price. | | |
| Sell | Price expected to move downwards by more than 10% | | |

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and

No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst, Merchant Banker and a Stock Broker having trading memberships of the BSE Ltd. (BSE), National Stock Exchange of India Ltd. (NSE) and Metropolitan Stock Exchange of India Ltd. (MSEI). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor.

JM Financial Institutional Securities provides a wide range of investment banking services to a diversified client base of corporates in the domestic and international markets. It also renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and members of their household are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision. The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

This report is not directed or intended for distribution to, or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject JM Financial Institutional Securities and/or its affiliated company(ies) to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Persons who receive this report from JM Financial Singapore Pte Ltd may contact Mr. Ruchir Jhunjhunwala (ruchir.jhunjhunwala@jmfl.com) on +65 6422 1888 in respect of any matters arising from, or in connection with, this report.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

JM Financial Institutional Securities only accepts orders from major U.S. institutional investors. Pursuant to its agreement with JM Financial Institutional Securities, JM Financial Securities effects the transactions for major U.S. institutional investors. Major U.S. institutional investors may place orders with JM Financial Institutional Securities directly, or through JM Financial Securities, in the securities discussed in this research report.

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential lo