

F. No. 3-1/ 2018-19-CFCC-ES
GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE
(CROP FORECAST COORDINATION CENTRE)

Room No. 344-A
Krishi Bhawan, New Delhi
Dated: 26.06.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 22.06.2018.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (14th June, 2018 – 20th June, 2018) has been 39% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 72% in Central India, 26% in South Peninsula, 20% in East & North East India and 15% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 20th June, 2018 has been 7% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 36% in South Peninsula but lower than LPA by 27% in East & North East India, 12% in North West India and 9% in Central India.*
- *Out of 36 met sub-divisions, 12 met subdivision constituting 24% of the total area of the country has received large excess/excess rainfall, 10 met sub-divisions constituting 34% of the total area of the country has received normal rainfall, 14 met subdivisions constituting 42% of the total area of the country has received deficient/large deficient rainfall.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 161.99 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 120.44 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 21st June, 2018 has been 29.67 BCM as against 29.42 BCM on 21.06.2017 (last year) and 30.04 BCM of normal (average of the last 10 years) storage. Current year's storage is 101% of last year's storage and 99% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 10.95% of the normal area under Kharif crops has been sown upto 22.06.2018. Area sown under all Kharif crops taken together has been reported 115.90 lakh hectares at All India level as compared to 128.35 lakh hectares in the corresponding period of last year and 125.22 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 22.06.2018 for 2017-18 was at 360.44 lakh tonnes against the procurement of 378.33 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 355.05 lakh tonnes which was higher than the procurement of 306.69 lakh tonnes in the corresponding period of RMS 2017-18.*

1. Monsoon Season (June – September) during the week ending 20th June, 2018

➤ Sub-Division wise Weekly Rainfall Forecast is shown in Table-1.1

- **Rainfall during the week (14th June, 2018 to 20th June, 2018)** Rainfall was large excess/excess in 4 met sub-divisions, normal in 11 met sub-division, deficient/large deficient in 21 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 20th June, 2018)** Rainfall was large excess/excess in 12, normal in 10 met sub-divisions, deficient/large deficient in 14 sub-divisions out of 36 meteorological sub-divisions.

Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (20.06.2018)				Cumulative (01.06.18 to 20.06.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	11.9	14.0	-15	N	28.8	32.8	-12	N
Central India	11.4	40.9	-72	LD	72.6	79.9	-9	N
South Peninsular India	29.1	39.5	-26	D	132.4	97.6	36	E
East & North-East India	71.6	89.2	-20	D	158.0	216.2	-27	D
Country as a whole	24.6	40.1	-39	D	84.5	90.6	-7	N

LE: Large Excess, E: Excess, N: Normal, D: Deficient, LD: Large Deficient, NR: No Rain.

Source: India Meteorological Department, New Delhi

Table -1.3: Category wise comparative distribution of Sub-division (cumulative rainfall) and All-India Percentage Rainfall Departure for the last five years since: 1st June, 2018 to 20th June, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	19 JUN 2013	18 JUN 2014	17 JUN 2015	22 JUN 2016	21 JUN 2017	20 JUN 2018
Large Excess	-	-	-	-	08	02
Excess	26	01	16	06	07	10
Normal	06	07	08	17	11	10
Total	32	08	24	23	26	22
Deficient	01	18	08	11	10	12
Large Deficient	-	-	-	-	00	02
Scanty	03	10	04	02	-	-
No rain	00	00	00	00	00	00
Total	04	28	12	13	10	14
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	54%	(-) 45%	11%	(-) 18%	4%	(-) 7%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 22nd June to 26th June, 2018 is shown in Table 1.4

Table: 1.1

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttarakhand, Himachal Pradesh, and Jammu and Kashmir.
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra, Odisha, Goa and Gujarat.
South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala, A & N islands and Lakshadweep.
East & North East India - Bihar, Jharkhand, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018

Sr. No	MET.SUB-DIVISIONS	21 JUN	22 JUN	23 JUN	24 JUN	25 JUN	26 JUN	27 JUN
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	FWS	FWS	WS	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS*	FWS*	WS*	WS*	WS*	WS*
3	ASSAM & MEGHALAYA	FWS*	FWS**	WS**	WS**	WS*	WS*	WS*
4	NAGA.MANI.MIZO.& TRIPURA	SCT	SCT	FWS*	FWS*	WS*	WS**	WS*
5	SUB-HIM.W. BENG. & SIKKIM	WS ^{TS}	WS ^{TS}	WS	WS	WS**	WS**	WS**
6	GANGETIC WEST BENGAL	SCT	SCT	SCT	FWS*	FWS*	FWS*	WS*
7	ODISHA	SCT ^{TS}	SCT ^{TS}	SCT	FWS	FWS*	WS*	WS*
8	JHARKHAND	ISOL ^{TS}	SCT ^{TS}	SCT	FWS*	FWS*	WS*	WS*
9	BIHAR	ISOL ^{TS}	ISOL ^{TS}	SCT	FWS*	FWS*	WS*	WS*
10	EAST UTTAR PRADESH	ISOL ^{TS}	ISOL	ISOL	SCT	SCT	FWS	FWS
11	WEST UTTAR PRADESH	ISOL ^{TS}	DRY	DRY	DRY	ISOL	SCT	SCT
12	UTTARAKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	SCT*	FWS*
13	HARYANA CHD. & DELHI	ISOL	DRY	DRY	DRY	ISOL	ISOL	SCT
14	PUNJAB	DRY	DRY	DRY	DRY	ISOL	ISOL	SCT
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
18	EAST RAJASTHAN	DRY	ISOL	ISOL	ISOL	DRY	ISOL	SCT*
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT*	WS*
20	EAST MADHYA PRADESH	ISOL	ISOL	SCT	SCT	SCT	FWS*	WS*
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	SCT	SCT*	SCT*	SCT*
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL*	SCT*	SCT
23	KONKAN & GOA	WS**	WS**	WS*	WS*	WS*	WS**	WS**
24	MADHYA MAHARASHTRA	FWS**	FWS*	FWS	FWS	FWS	FWS*	WS*
25	MARATHAWADA	FWS*	FWS*	FWS	FWS	FWS	FWS	WS*
26	VIDARBHA	FWS*	FWS	FWS	FWS	WS	WS*	WS**
27	CHHATTISGARH	SCT	SCT	SCT	FWS	FWS	WS**	WS**
28	COASTAL ANDHRA PRADESH	SCT ^{TS}	SCT ^{TS}	SCT	SCT	SCT	FWS*	FWS
29	TELANGANA	SCT ^{TS}	SCT ^{TS}	SCT	SCT	SCT	WS**	FWS*
30	RAYALASEEMA	ISOL ^{TS}	SCT ^{TS}	SCT	SCT	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS**	WS**	WS**	WS**	WS**	WS**	WS**
33	NORTH INT.KARNATAKA	FWS*	SCT*	SCT	FWS	FWS	FWS*	FWS*
34	SOUTH INT.KARNATAKA	FWS**	FWS	FWS**	FWS**	FWS**	FWS**	FWS*
35	KERALA	WS**	WS*	WS*	WS**	WS**	FWS*	FWS*
36	LAKSHADWEEP	WS	WS	WS	WS	WS	FWS	FWS

LEGENDS:

WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)		
SCT	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)	D/DRY	NIL RAINFALL
* Heavy Rainfall (64.5-115.5 mm)		** Heavy to Very Heavy Rainfall (115.6-204.4 mm)		*** Extremely Heavy Rainfall (204.5 mm or more)	
• FOG	* SNOWFALL	# HAILSTORM	† HEAT WAVE (+4.5°C to +6.4°C)		†† SEVERE HEAT WAVE (> +6.4)
§ THUNDERSTORM WITH SQUALL/GUSTY WIND		DS/TS DUST/THUNDERSTORM	‡ COLD WAVE (-4.5°C to -6.4°C)		‡‡ SEVERE COLD WAVE (< -6.4)

Table: 1.4

Met-Sub-Division	22-Jun Today	23Jun Sat	24Jun Sun	25Jun Mon	26Jun Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	WS	WS
2. Arunachal Pradesh	FWS	FWS	WS	WS	WS
3. Assam & Meghalaya	FWS	WS	WS	WS	WS
4. N. M. M. & T.	SCT	FWS	FWS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	FWS	FWS
7. Odisha	SCT	SCT	FWS	FWS	FWS
8. Jharkhand	SCT	SCT	FWS	FWS	FWS
9. Bihar	ISOL	SCT	FWS	FWS	FWS
10. East Uttar Pradesh	ISOL	ISOL	SCT	SCT	SCT
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	DRY	DRY
19. West Madhya Pradesh	ISOL	ISOL	SCT	SCT	SCT
20. East Madhya Pradesh	ISOL	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	FWS	FWS	FWS	FWS
25. Marathawada	FWS	FWS	FWS	FWS	FWS
26. Vidharbha	FWS	FWS	FWS	WS	WS
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	SCT	SCT	SCT
30. Rayalaseema	SCT	SCT	SCT	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	FWS	FWS	FWS
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	WS	WS	WS	WS	WS
36. Lakshadweep	WS	WS	WS	WS	WS

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

2. Reservoir Status (For the week ending on 21.06.2018)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** billion cubic meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Water stock in 91 major reservoirs increased to 29.67 BCM from the previous week's level of 28.40 BCM. Current storage is higher than the last year's position of 29.42 BCM and lower than the average of last 10 year's storage of 30.04 BCM.

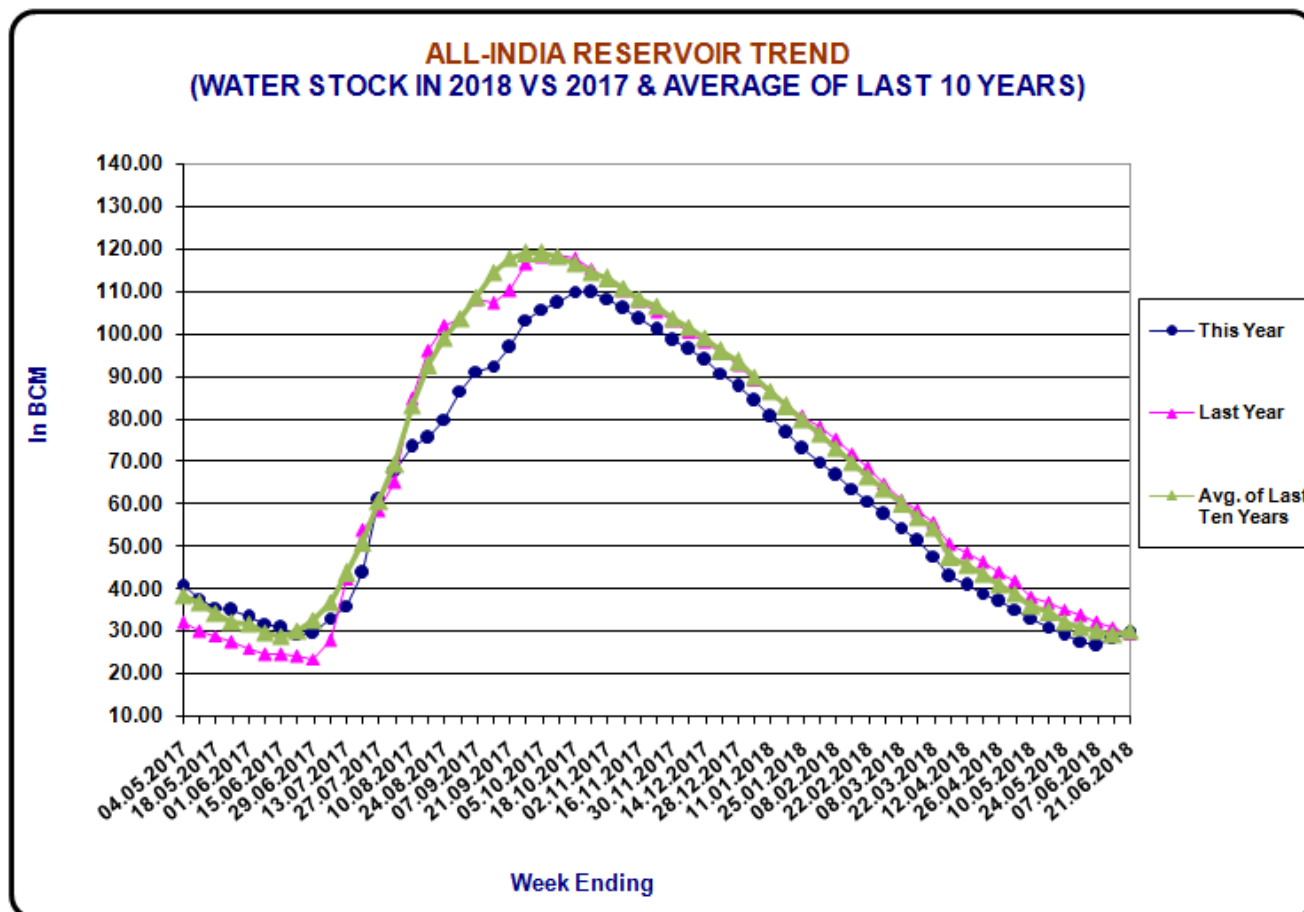
Table – 2.1 : For 91 major reservoirs of the country

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	18	101	99
Last Week	18	91	97

The percentage to live capacity at FRL was 18% on 21/06/2017, 15% on 21/06/2016, 25% on 18/06/2015 and 24% on 19/06/2014.

Source: CWC

There were 59 reservoirs having storage more than 80% of normal storage, 12 reservoirs having storage between 51% to 80%, 11 reservoir having storage between 31% to 50% and 9 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there are 5 reservoirs having no live storage.



Source: Central Water Commission

3. Fertilizer Position:

Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2018 (As on 21.06.2018)

(in '000 Tonnes)

Receipt/Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	161
Requirement for Kharif, 2018	14891	4918	2025	4973	2625
Cumulative Requirement from April to June, 2018	6694	2341	890	2128	1174
Cumulative Receipt from April to June, 2018	5926	1764	801	1830	896
Cumulative Availability upto 21.06.2018	6929	1958	890	2557	1057
Cumulative Sales upto 21.06.2018	4987	1410	546	1220	823
Closing Stock upto 21.06.2018	1942	547	344	1337	234

Source: Fertilizer Division (DAC&FW) / Deptt. of Fertilizer

4. Pest & Diseases:

- Overall intensity of pests and diseases remained below Economic Threshold Level (ETL).
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. **Availability position of seeds and fertilizers has been found satisfactory.**

6. All India Crop Situation – Kharif (2018-19) as on 22.06.2018

Table: 6.1

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2018	% of Normal for whole season	Last Year 2017	Normal as on date	Last Year
Rice	395.39	8.49	10.67	2.7	11.17	2.2	-0.5
Jowar	22.34	1.65	1.67	7.5	1.79	0.0	-0.1
Bajra	74.03	2.84	1.02	1.4	2.58	-1.8	-1.6
Maize	74.22	10.59	11.75	15.8	11.76	1.2	0.0
Total Coarse Cereals	188.55	16.95	16.69	8.9	18.34	-0.3	-1.7
Total Cereals	583.94	25.44	27.36	4.7	29.51	1.9	-2.2
Tur	41.90	1.86	1.70	4.1	3.08	-0.2	-1.4
Urad	27.00	0.74	0.83	3.1	1.44	0.1	-0.6
Moong	24.93	1.72	2.02	8.1	2.05	0.3	0.0
Kulthi	2.27	0.06	0.30	13.2	0.16	0.2	0.1
Others	15.83	0.97	1.05	6.6	1.10	0.1	-0.1
Total Pulses	111.93	5.35	5.91	5.3	7.82	0.6	-1.9
Total Foodgrains	695.87	30.79	33.27	4.8	37.33	2.5	-4.1
Groundnut	42.01	3.61	1.94	4.6	3.78	-1.7	-1.8
Soyabean	112.51	4.31	2.12	1.9	5.14	-2.2	-3.0
Sunflower	2.24	0.34	0.25	11.2	0.28	-0.1	0.0
Sesamum	17.50	0.68	0.62	3.5	0.63	-0.1	0.0
Nigerseed	2.70	0.01	0.02	0.7	0.00	0.0	0.0
Castorseed	10.51	0.13	0.07	0.7	0.10	-0.1	0.0
Total Oilseeds	187.47	9.08	5.03	2.67	9.93	-4.1	-4.9
Cotton	119.75	32.69	20.68	17.3	24.70	-12.0	-4.0
Sugarcane	48.84	45.35	50.01	102.4	49.48	4.7	0.5
Jute & Mesta	8.11	7.29	6.91	85.2	6.91	-0.4	0.0
All- Crops	1060.04	125.22	115.90	10.9	128.35	-9.3	-12.5

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 22.06.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 22.06.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	38.20	36.86
Telangana	34.00	36.13	35.84
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.28	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.74	2.94
Odisha	37.00	32.10	34.83
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	8.19	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.52	18.74
All-India	430.00	360.44	378.33

8. Progressive procurement of Wheat as on 22.06.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 22.06.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.37	0.07
Haryana	74.00	87.39	74.32
Madhya Pradesh	67.00	72.87	67.24
Punjab	119.00	126.91	117.06
Rajasthan	16.00	15.31	12.27
Uttar Pradesh	40.00	50.88	35.62
Uttrakhand	1.00	1.07	0.02
All-India	320.00	355.05	306.69