



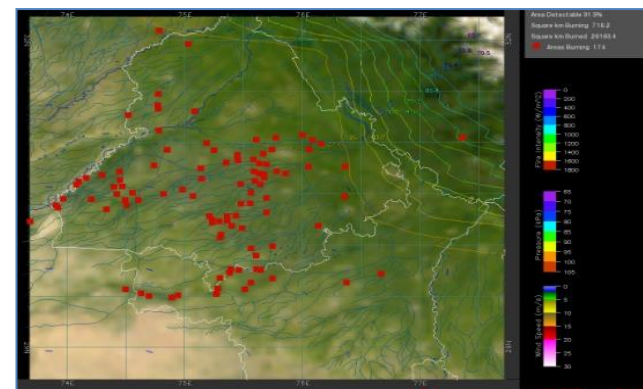
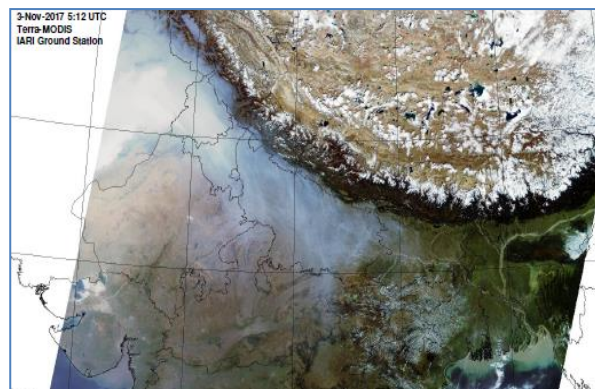
Bulletin No. 09

Events Date:
09-Apr-2022

Issued on:
10-Apr-2022



MONITORING WHEAT RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2022



Prepared by:

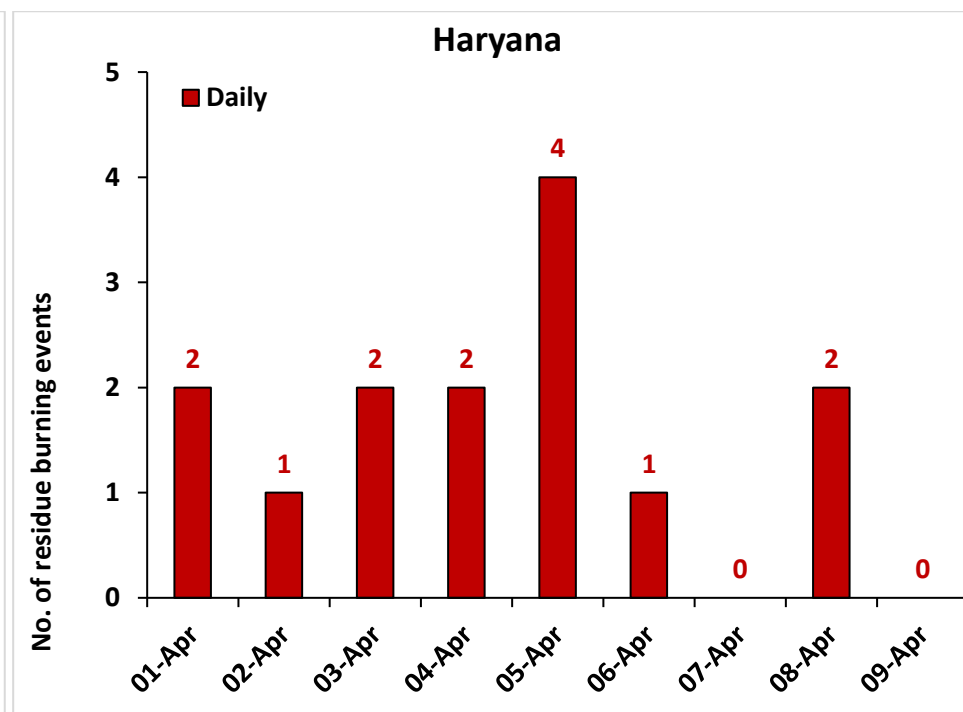
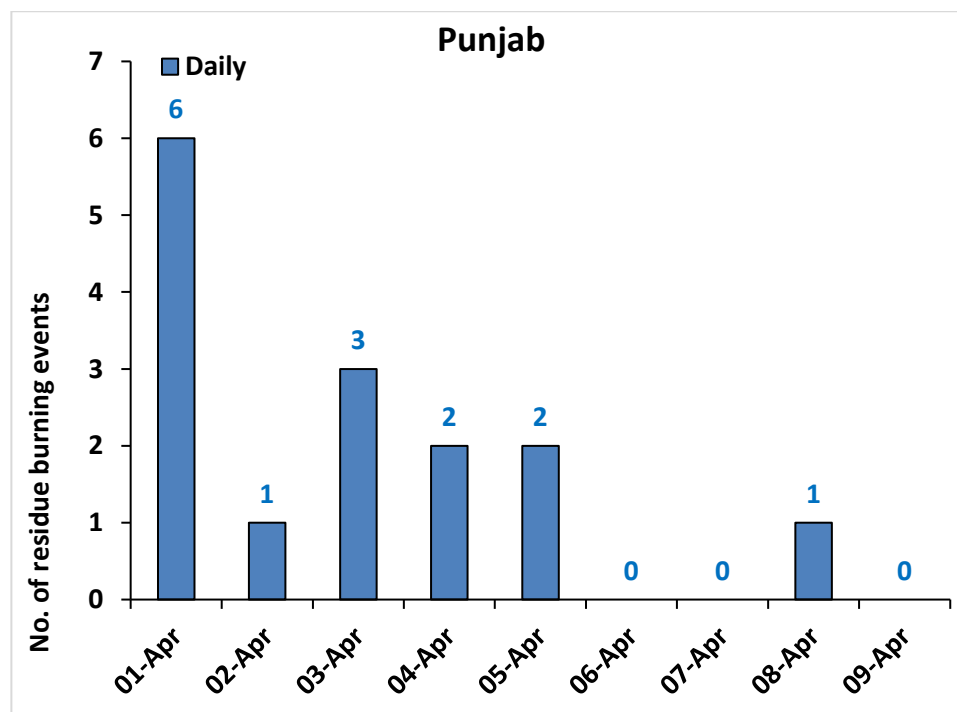
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

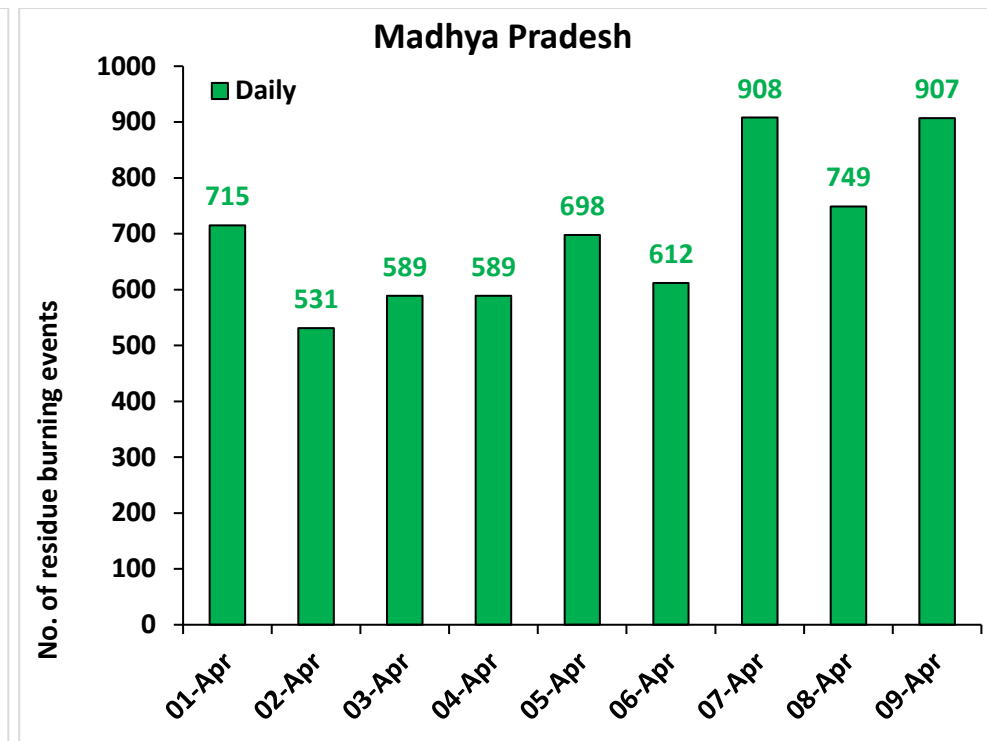
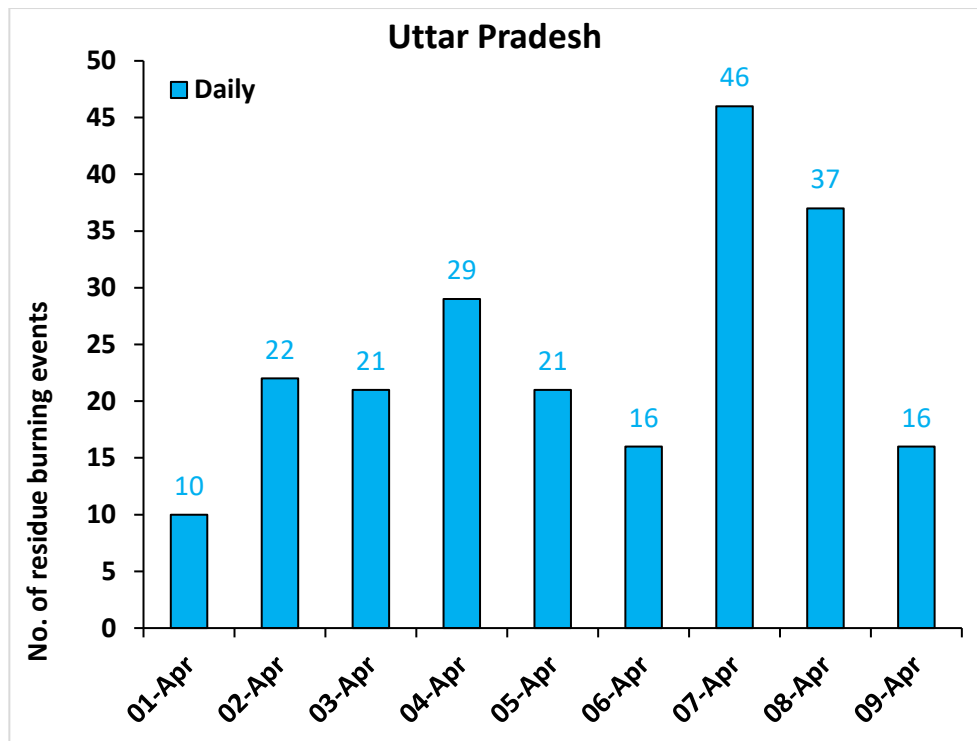
<http://creams.iari.res.in>

Highlights for 09-April-2022

- The active fire events due to wheat residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **923** residue burning events in the five study States on 09-Apr-2022.
- The state wise events detected on 09-Apr-2021 were **00** in Punjab, **00** in Haryana, **00** in Delhi, **16** in Uttar Pradesh and **907** in Madhya Pradesh.
- The number of events has increased from **789** on 08-Apr-2022 to **923** on 09-Nov-2022 in the five study states.
- Total **6545** burning events were detected in the five states between 01-Apr-2022 and 09-Apr-2022, which are distributed as **15**, **14**, **218**, **00**, and **6298** in Punjab, Haryana, UP, Delhi, and MP, respectively.

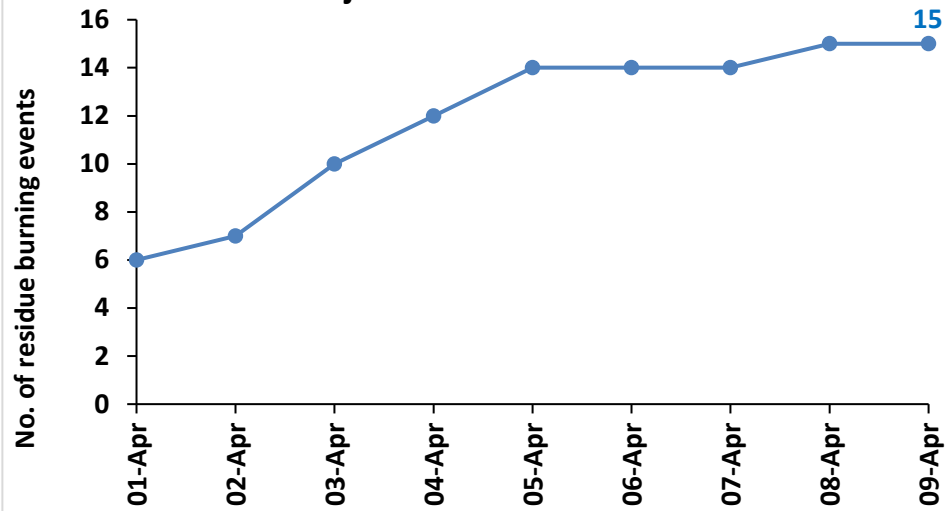
Temporal distribution of wheat residue burning events for the study States in 2022



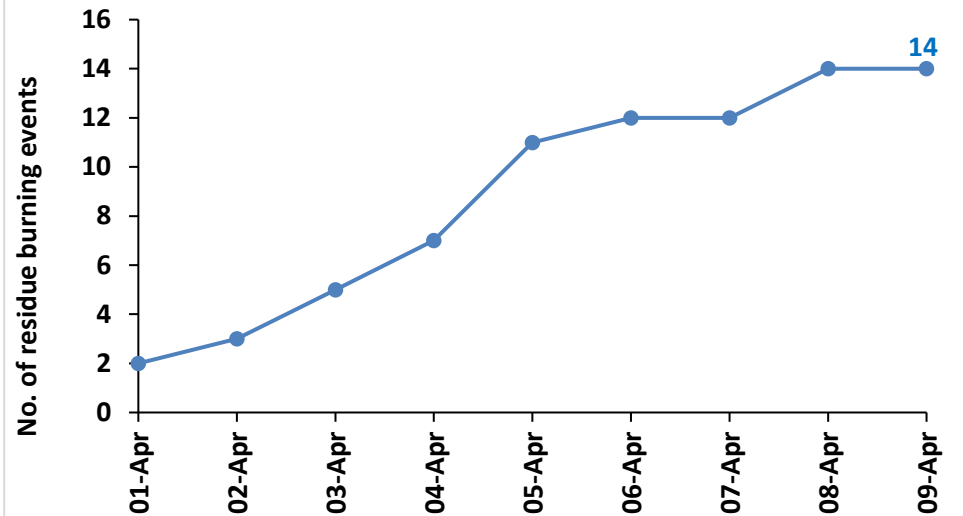


Cumulative Wheat Residue burning events in current year (2022) for the study States

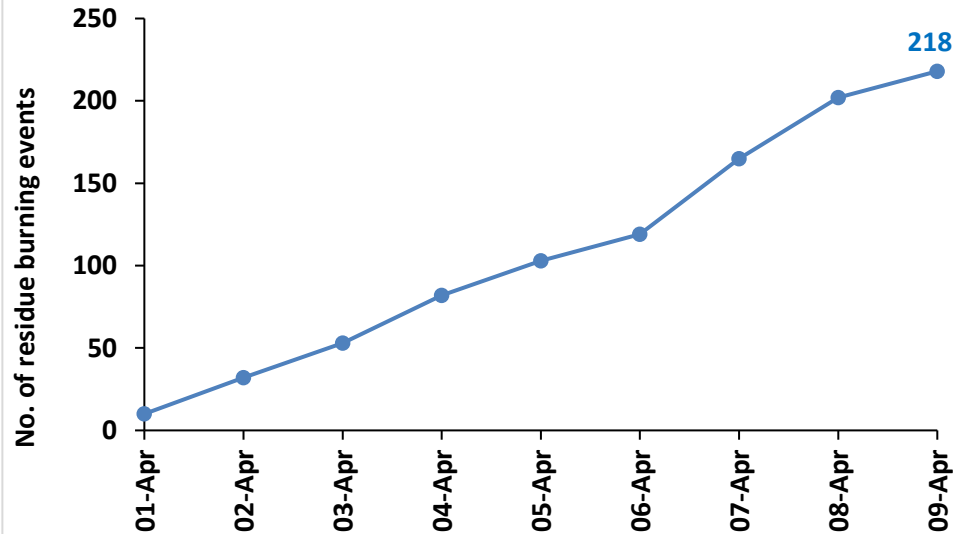
Punjab Cumulative-2022



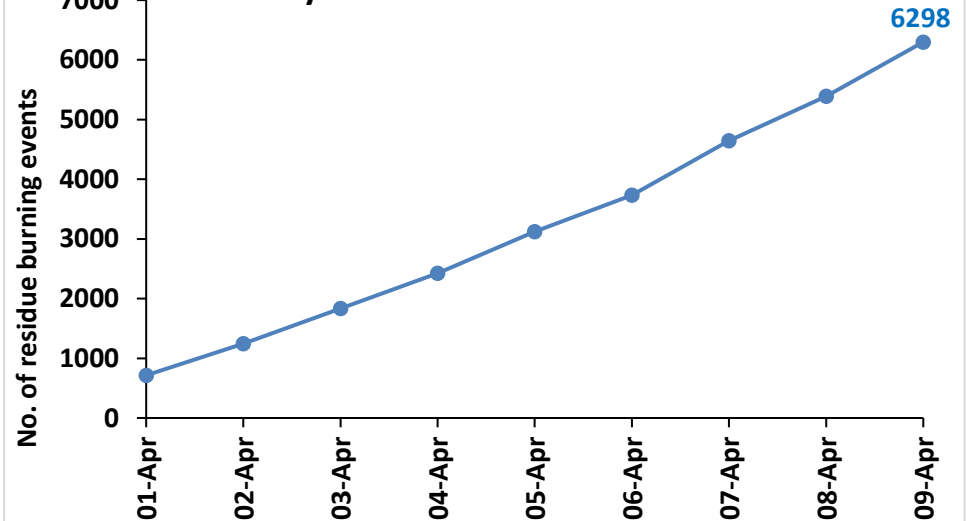
Haryana Cumulative-2022



Uttar Pradesh Cumulative-2022

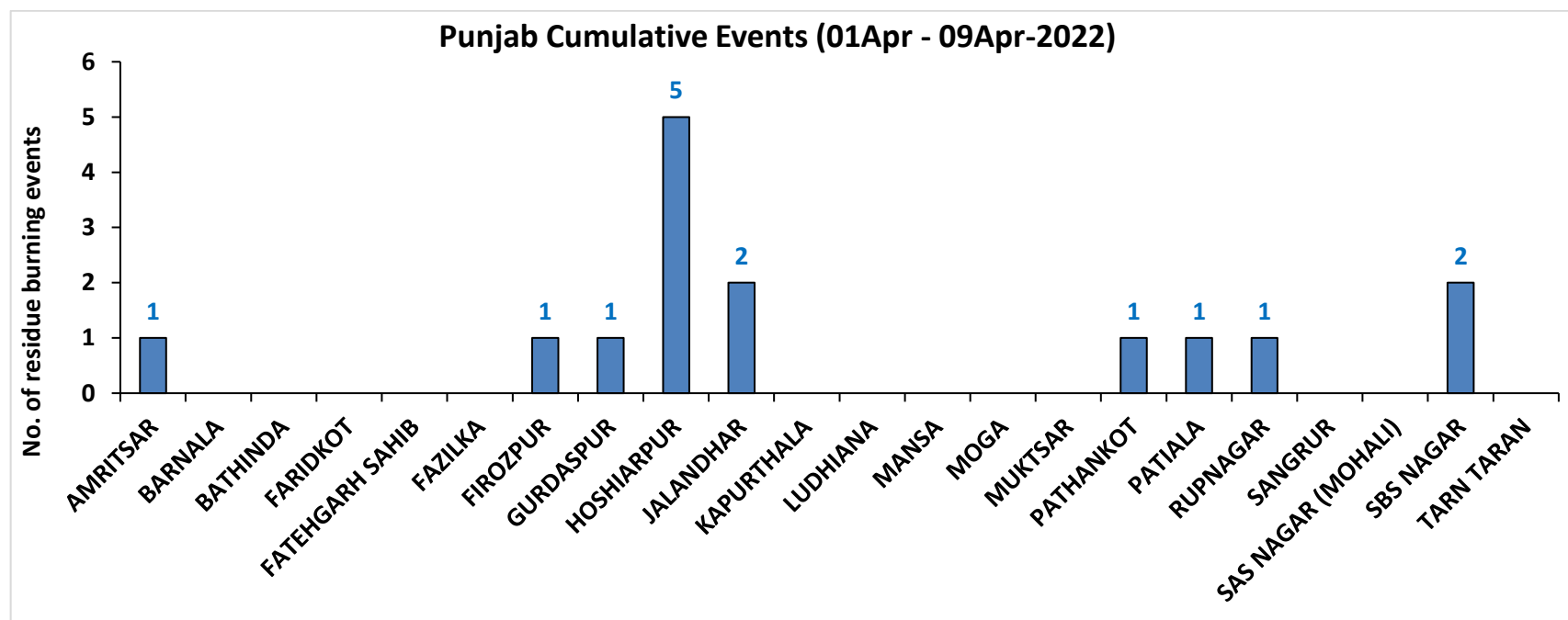


Madhya Pradesh Cumulative-2022



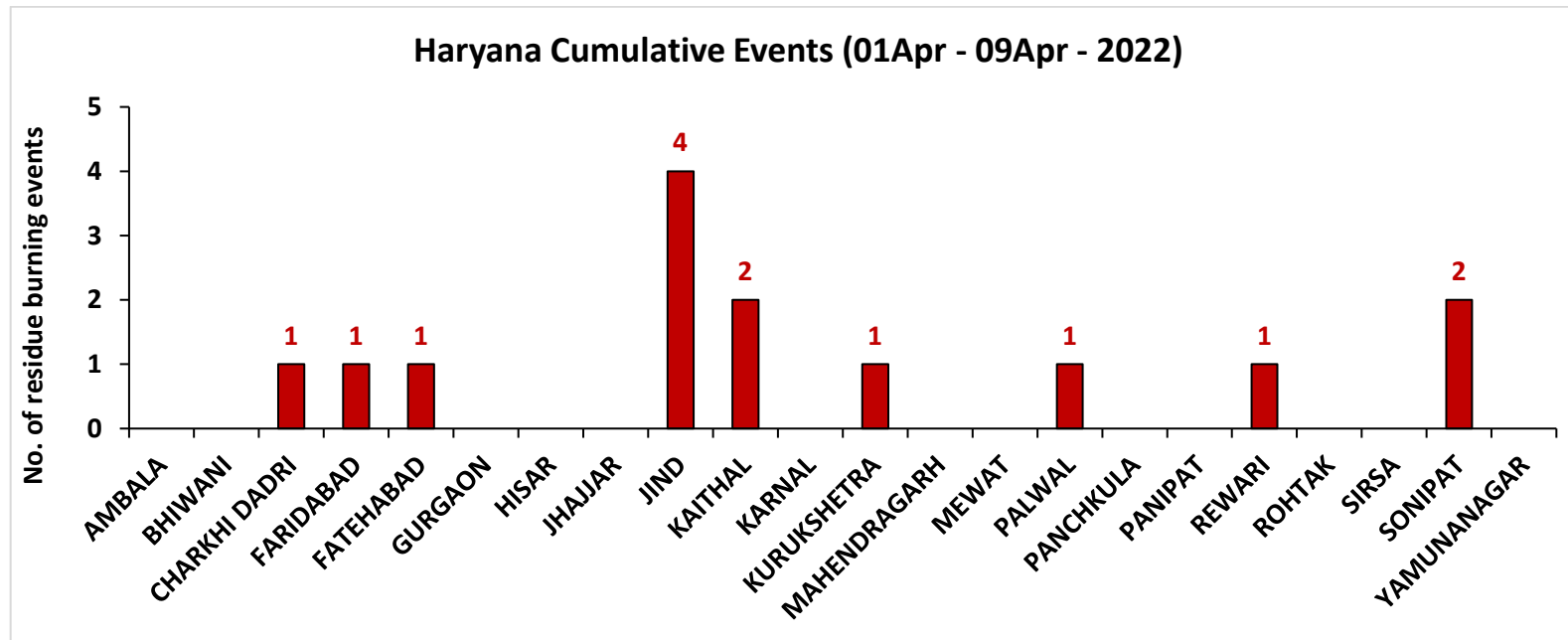
Punjab

District-wise cumulative number of wheat residue burning events in Punjab (01 Apr-09 Apr-2022)



Haryana

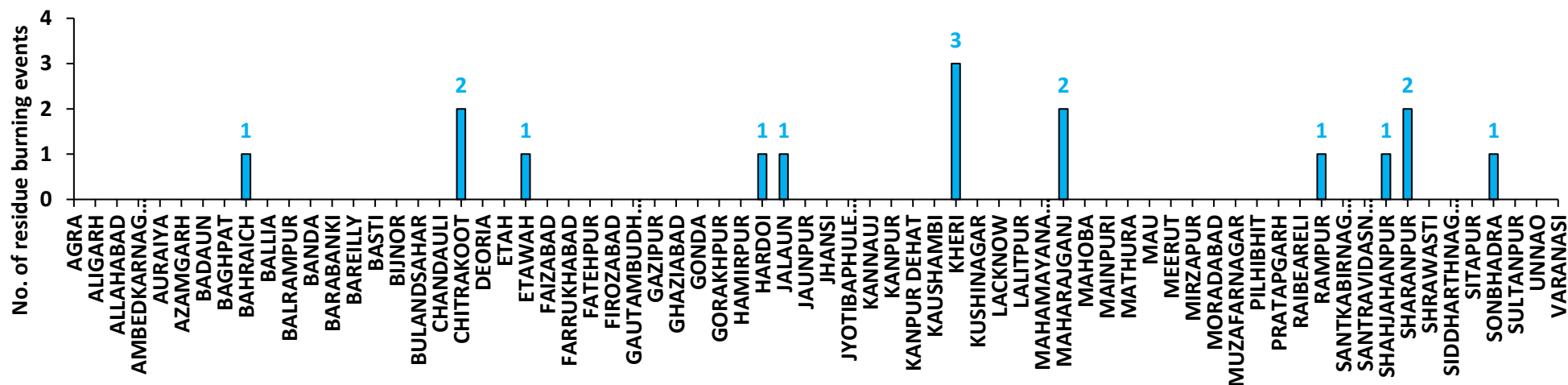
District-wise cumulative number of residue burning events in Haryana (01 Apr-09 Apr-2022)



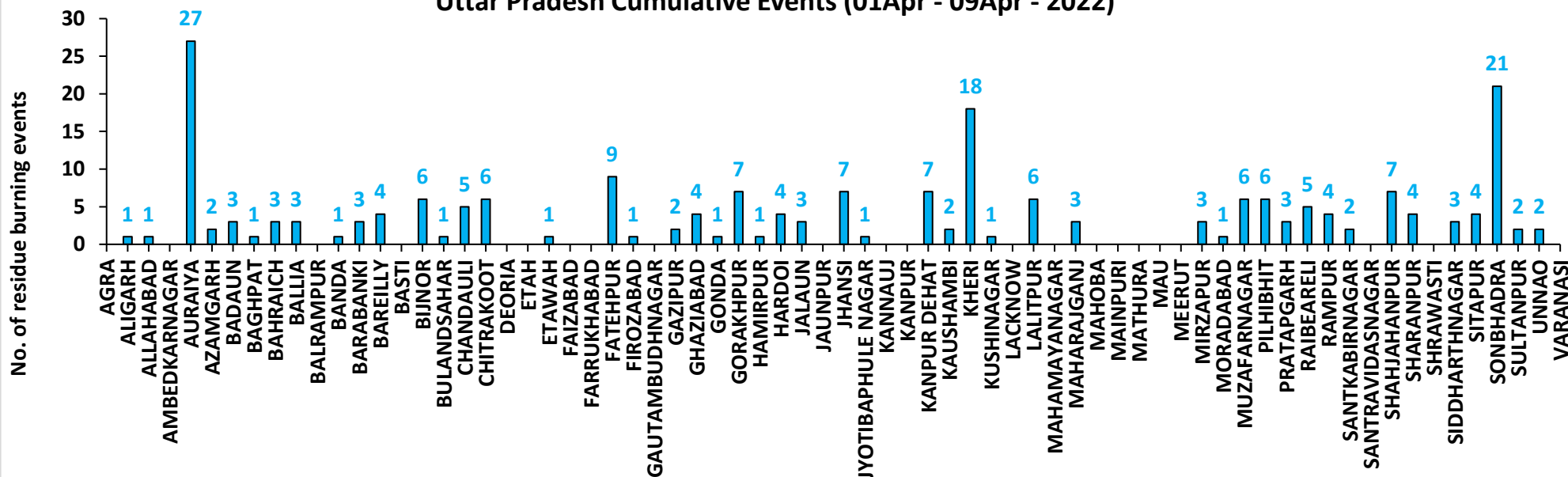
Uttar Pradesh

District-wise cumulative number of wheat residue burning events in Uttar Pradesh (01 Apr-09 Apr-2022)

Uttar Pradesh Events on 09-Apr-2022



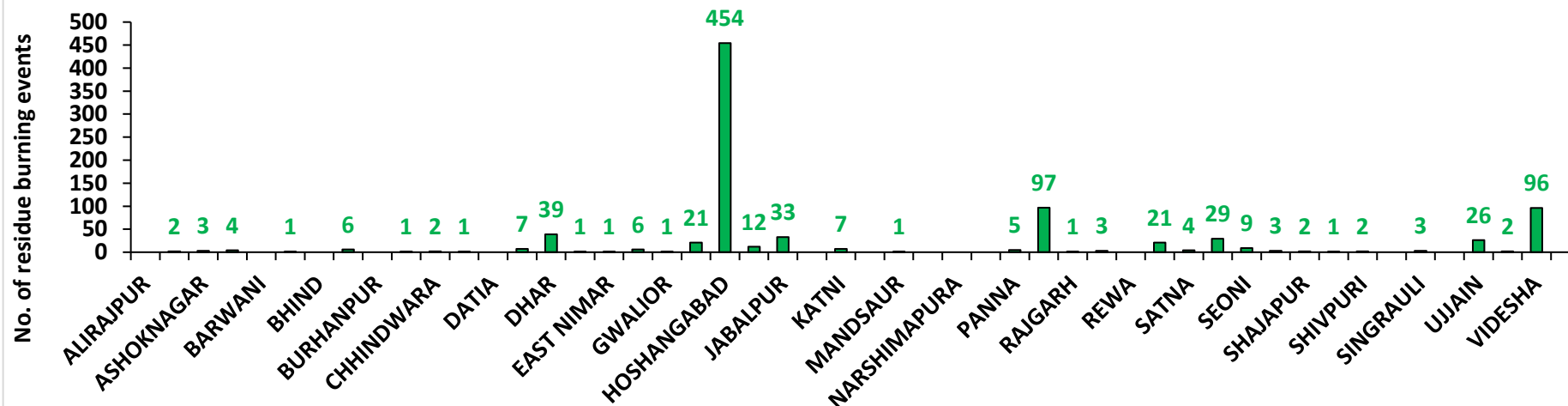
Uttar Pradesh Cumulative Events (01Apr - 09Apr - 2022)



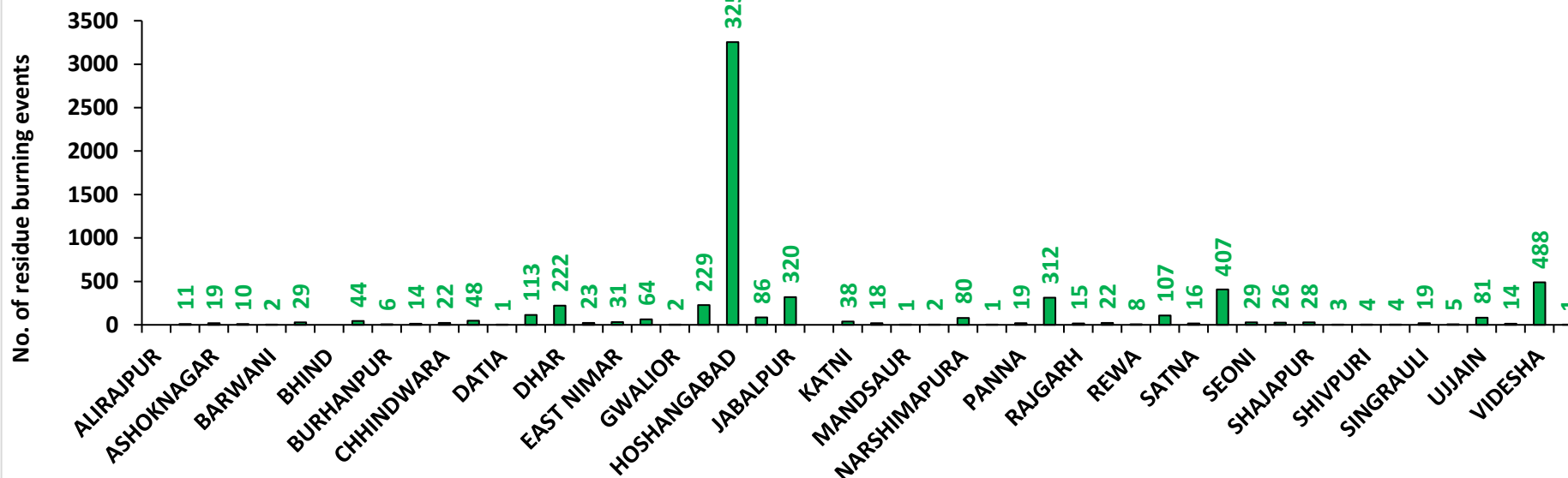
Madhya Pradesh

District-wise cumulative number of wheat residue burning events in Madhya Pradesh (01 Apr-09 Apr-2022)

Madhya Pradesh Events on 09-Apr-2022



Madhya Pradesh Cumulative Events (01Apr - 09Apr - 2022)



District-wise cumulative number of wheat residue burning events detected in 2022

(Period: 01 April – 09 April)

(a) Punjab

District	01Apr-09 Apr 2022
Amritsar	1
Barnala	0
Bathinda	0
Faridkot	0
Fatehgarh Sahib	0
Fazilka	0
Firozpur	1
Gurdaspur	1
Hoshiarpur	5
Jalandhar	2
Kapurthala	0
Ludhiana	0
Mansa	0
Moga	0
Muktsar	0
Pathankot	1
Patiala	1
Rupnagar	1
Sangrur	0
SAS NAGAR (Mohali)	0
SBS Nagar	2
Tarn Taran	0
Total	15

(b) Haryana

District	01Apr-09 Apr 2022
Ambala	0
Bhiwani	0
Charkhi Dadri	1
Faridabad	1
Fatehabad	1
Gurgaon	0
Hisar	0
Jhajjar	0
Jind	4
Kaithal	2
Karnal	0
Kurukshetra	1
Mahendragarh	0
Mewat	0
Palwal	1
Panchkula	0
Panipat	0
Rewari	1
Rohtak	0
Sirsa	0
Sonapat	2
Yamunanagar	0
Total	14

(c) Uttar Pradesh

District	01Apr-09 Apr				
	2022	GAUTAMBUDHNAGAR	0	MUZAFARNAGAR	6
		GAZIPUR	2	PILHIBHIT	6
AGRA	0	GHAZIABAD	4	PRATAPGARH	3
ALIGARH	1	GONDA	1	RAIBEARELI	5
ALLAHABAD	1	GORAKHPUR	7	RAMPUR	4
AMBEDKARNAGAR	0	HAMIRPUR	1	SANTKABIRNAGAR	2
AURAIYA	27	HARDOI	4	SANTRAVIDASNAGAR	0
AZAMGARH	2	JALAUN	3	SHAHJAHANPUR	7
BADAUN	3	JAUNPUR	0	SHARANPUR	4
BAGHPAT	1	JHANSI	7	SHRAWASTI	0
BAHRAICH	3	JYOTIBAPHULE NAGAR	1	SIDDHARTH NAGAR	3
BALLIA	3	KANNAUJ	0	SITAPUR	4
BALRAMPUR	0	KANPUR	0	SONBHADRA	21
BANDA	1	KANPUR DEHAT	7	SULTANPUR	2
BARABANKI	3	KAUSHAMBI	2	UNNAO	2
BAREILLY	4	KHERI	18	VARANASI	0
BASTI	0	KUSHINAGAR	1	Total	218
BIJNOR	6	LACKNOW	0		
BULANDSAHAR	1	LALITPUR	6		
CHANDAULI	5	MAHAMAYANAGAR	0		
CHITRAKOOT	6	MAHARAJGANJ	3		
DEORIA	0	MAHOBA	0		
ETAH	0	MAINPURI	0		
ETAWAH	1	MATHURA	0		
FAIZABAD	0	MAU	0		
FARRUKHABAD	0	MEERUT	0		
FATEHPUR	9	MIRZAPUR	3		
FIROZABAD	1	MORADABAD	1		

(f) Madhya Pradesh

District	01Apr-09 Apr		
	Year 2022	PANNA	19
ALIRAJPUR	0	RAISEN	312
ANUPPUR	11	RAJGARH	15
ASHOKNAGAR	19	RATLAM	22
BALAGHAT	10	REWA	8
BARWANI	2	SAGAR	107
BETUL	29	SATNA	16
BHIND	0	SEHORE	407
BHOPAL	44	SEONI	29
BURHANPUR	6	SHAHDOL	26
CHHATARPUR	14	SHAJAPUR	28
CHHINDWARA	22	SHEOPUR	3
DAMOH	48	SHIVPURI	4
DATIA	1	SIDHI	4
DEWAS	113	SINGRAULI	19
DHAR	222	TIKAMGARH	5
DINDORI	23	UJJAIN	81
EAST NIMAR	31	UMARIA	14
GUNA	64	VIDESHA	488
GWALIOR	2	WEST NIMAR	1
HARDA	229	Total	6298
HOSHANGABAD	3254		
INDORE	86		
JABALPUR	320		
JHABUA	0		
KATNI	38		
MANDLA	18		
MANDSAUR	1		
MORENA	2		
NARSHIMAPURA	80		
NIMACH	1		

Details of wheat residue burning events in Uttar Pradesh on 09-Apr-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BAHRAICH	MAHASI	npp	27.49440	81.41550	4/9/2022	13:22:53	D	3.90
2	CHITRAKOOT	KARWI	npp	25.08360	80.99810	4/9/2022	02:12:53	N	2.20
3	CHITRAKOOT	KARWI	Terra	25.08000	81.24000	4/9/2022	10:27:41	D	25.80
4	ETAWAH	BHARTHNA	npp	26.71540	79.28770	4/9/2022	13:22:53	D	76.00
5	HARDOI	SANDILA	npp	27.23160	80.58720	4/9/2022	13:22:53	D	4.40
6	JALAUN	KONCH	npp	25.89070	79.14780	4/9/2022	02:12:53	N	1.10
7	KHERI	GOLA	npp	28.09900	80.62590	4/9/2022	13:22:53	D	2.10
8	KHERI	GOLA	Terra	28.04400	80.45600	4/9/2022	10:27:41	D	19.00
9	KHERI	PALIA KALAN	npp	28.43100	80.50320	4/9/2022	13:22:53	D	4.20
10	MAHARAJGANJ	NICHLAUL	npp	27.38320	83.70030	4/9/2022	13:22:53	D	4.80
11	MAHARAJGANJ	NICHLAUL	npp	27.38740	83.70350	4/9/2022	02:12:53	N	1.40
12	RAMPUR	RAMPUR	npp	28.80440	79.14720	4/9/2022	13:22:53	D	10.70
13	SHAHJAHANPUR	PUWANYA	Terra	27.98600	79.92400	4/9/2022	10:27:41	D	12.70
14	SHARANPUR	BEHAT	npp	30.08270	77.65880	4/9/2022	13:22:53	D	2.50
15	SHARANPUR	DEOBAND	npp	29.85510	77.69890	4/9/2022	13:22:53	D	7.50
16	SONBHADRA	DUDHI	Terra	24.15300	83.18900	4/9/2022	10:27:41	D	39.70

Details of wheat residue burning events in Madhya Pradesh on 09-Apr-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ANUPPUR	ANUPUR	npp	23.17220	81.91070	4/9/2022	13:22:53	D	6.50
2	ANUPPUR	ANUPUR	npp	23.20440	81.72400	4/9/2022	13:22:53	D	25.60
3	ASHOKNAGAR	MUNGAOLI	npp	24.27980	77.98360	4/9/2022	02:12:53	N	1.30
4	ASHOKNAGAR	MUNGAOLI	npp	24.28330	77.98430	4/9/2022	02:12:53	N	0.40
5	ASHOKNAGAR	MUNGAOLI	npp	24.43050	78.07470	4/9/2022	02:12:53	N	1.00
6	BALAGHAT	BAIHAR	npp	21.98230	80.73580	4/9/2022	13:22:53	D	7.10
7	BALAGHAT	BAIHAR	npp	21.98570	80.73520	4/9/2022	13:22:53	D	7.20
8	BALAGHAT	WARASEONI	npp	21.72310	80.17830	4/9/2022	13:22:53	D	11.10
9	BALAGHAT	WARASEONI	npp	21.72640	80.17770	4/9/2022	13:22:53	D	11.10
10	BETUL	BHAINSDEHI	npp	21.70660	77.94390	4/9/2022	02:12:53	N	0.60
11	BHOPAL	BERASIYA	npp	23.50050	77.41910	4/9/2022	02:12:53	N	7.40
12	BHOPAL	BERASIYA	npp	23.61610	77.50580	4/9/2022	02:12:53	N	1.40
13	BHOPAL	BERASIYA	npp	23.61710	77.50440	4/9/2022	02:12:53	N	1.80
14	BHOPAL	BERASIYA	npp	23.61760	77.50860	4/9/2022	13:22:53	D	9.00
15	BHOPAL	HUZUR	npp	23.32460	77.21890	4/9/2022	02:12:53	N	0.70
16	BHOPAL	HUZUR	npp	23.40800	77.40960	4/9/2022	02:12:53	N	2.30
17	CHHATARPUR	BARAMALEHRA	npp	24.53060	79.26290	4/9/2022	02:12:53	N	1.70
18	CHHINDWARA	SAUSAR	npp	21.67510	78.87350	4/9/2022	13:22:53	D	4.30
19	CHHINDWARA	SAUSAR	npp	21.67570	78.87720	4/9/2022	13:22:53	D	4.80
20	DAMOH	TENDUKHERA	npp	23.32060	79.38150	4/9/2022	02:12:53	N	1.70
21	DEWAS	BAGLI	npp	22.66930	76.32950	4/9/2022	02:12:53	N	0.50
22	DEWAS	DEWAS	npp	23.16290	76.01540	4/9/2022	02:12:53	N	0.50
23	DEWAS	KANNOD	Terra	22.70100	76.72900	4/9/2022	23:01:33	N	24.50
24	DEWAS	KHATEGOAN	npp	22.56970	77.00530	4/9/2022	13:22:53	D	14.00
25	DEWAS	TONK KHURD	npp	23.13480	76.08110	4/9/2022	02:12:53	N	0.90
26	DEWAS	TONK KHURD	npp	23.14960	76.09590	4/9/2022	02:12:53	N	0.40
27	DEWAS	TONK KHURD	npp	23.16730	76.13500	4/9/2022	02:12:53	N	1.10
28	DHAR	BADNAWAR	npp	22.99540	75.23060	4/9/2022	02:12:53	N	0.70
29	DHAR	BADNAWAR	npp	23.04620	75.25120	4/9/2022	02:12:53	N	1.40

30	DHAR	BADNAWAR	npp	23.04680	75.24740	4/9/2022	02:12:53	N	1.40
31	DHAR	BADNAWAR	npp	23.05010	75.24800	4/9/2022	02:12:53	N	1.10
32	DHAR	DHAR	npp	22.51510	75.43230	4/9/2022	02:12:53	N	1.00
33	DHAR	DHAR	npp	22.54980	75.59320	4/9/2022	02:12:53	N	1.10
34	DHAR	DHAR	npp	22.59260	75.24560	4/9/2022	02:12:53	N	3.80
35	DHAR	DHAR	npp	22.59590	75.24620	4/9/2022	02:12:53	N	6.80
36	DHAR	DHAR	npp	22.60150	75.44400	4/9/2022	02:12:53	N	0.60
37	DHAR	DHAR	npp	22.62420	75.19760	4/9/2022	02:12:53	N	1.10
38	DHAR	DHAR	npp	22.62510	75.17090	4/9/2022	02:12:53	N	0.80
39	DHAR	DHAR	npp	22.62650	75.43710	4/9/2022	02:12:53	N	2.00
40	DHAR	DHAR	npp	22.62690	75.20200	4/9/2022	02:12:53	N	1.70
41	DHAR	DHAR	npp	22.62710	75.43330	4/9/2022	02:12:53	N	2.00
42	DHAR	DHAR	npp	22.62750	75.19820	4/9/2022	02:12:53	N	1.10
43	DHAR	DHAR	npp	22.62780	75.25980	4/9/2022	02:12:53	N	1.50
44	DHAR	DHAR	npp	22.62840	75.25610	4/9/2022	02:12:53	N	1.50
45	DHAR	DHAR	npp	22.62960	75.20630	4/9/2022	02:12:53	N	2.60
46	DHAR	DHAR	npp	22.63020	75.20260	4/9/2022	02:12:53	N	2.60
47	DHAR	DHAR	npp	22.63170	75.25670	4/9/2022	02:12:53	N	1.50
48	DHAR	DHAR	npp	22.64850	75.56830	4/9/2022	02:12:53	N	0.90
49	DHAR	DHAR	npp	22.65700	75.31150	4/9/2022	02:12:53	N	3.20
50	DHAR	DHAR	npp	22.66030	75.31210	4/9/2022	02:12:53	N	2.80
51	DHAR	DHAR	npp	22.67050	75.24860	4/9/2022	02:12:53	N	1.70
52	DHAR	DHAR	npp	22.67120	75.24490	4/9/2022	02:12:53	N	2.50
53	DHAR	DHAR	npp	22.67390	75.24920	4/9/2022	02:12:53	N	1.70
54	DHAR	DHAR	npp	22.67450	75.24550	4/9/2022	02:12:53	N	2.50
55	DHAR	DHAR	npp	22.67780	75.24610	4/9/2022	02:12:53	N	2.60
56	DHAR	DHAR	npp	22.70800	75.45540	4/9/2022	02:12:53	N	0.80
57	DHAR	DHAR	Terra	22.65400	75.16800	4/9/2022	23:01:33	N	23.70
58	DHAR	DHAR	Terra	22.66000	75.25600	4/9/2022	10:27:41	D	96.00
59	DHAR	DHAR	Terra	22.66700	75.16600	4/9/2022	23:01:33	N	12.80
60	DHAR	DHAR	Terra	22.68300	75.44900	4/9/2022	23:01:33	N	17.00
61	DHAR	SARDARPUR	npp	22.58170	75.16730	4/9/2022	02:12:53	N	0.50
62	DHAR	SARDARPUR	npp	22.62120	75.13170	4/9/2022	02:12:53	N	0.30

63	DHAR	SARDARPUR	npp	22.63980	75.14290	4/9/2022	02:12:53	N	1.20
64	DHAR	SARDARPUR	npp	22.64030	75.13680	4/9/2022	13:22:53	D	8.50
65	DHAR	SARDARPUR	npp	22.64040	75.13920	4/9/2022	02:12:53	N	0.40
66	DHAR	SARDARPUR	npp	22.65750	75.13850	4/9/2022	02:12:53	N	0.80
67	DINDORI	MEHADWANI	npp	22.83000	80.57270	4/9/2022	02:12:53	N	0.80
68	EAST NIMAR	KHANDWA	npp	21.82620	76.48580	4/9/2022	02:12:53	N	1.00
69	GUNA	GUNA	npp	24.76730	77.10140	4/9/2022	13:22:53	D	9.50
70	GUNA	GUNA	npp	24.84430	77.02650	4/9/2022	02:12:53	N	0.70
71	GUNA	GUNA	npp	24.90160	77.14510	4/9/2022	02:12:53	N	1.00
72	GUNA	GUNA	npp	24.90230	77.14110	4/9/2022	02:12:53	N	2.40
73	GUNA	GUNA	npp	24.92120	77.19470	4/9/2022	02:12:53	N	0.30
74	GUNA	RAGHOGARH	npp	23.95380	77.20880	4/9/2022	02:12:53	N	0.50
75	GWALIOR	DABRA	npp	25.83810	78.20590	4/9/2022	02:12:53	N	0.60
76	HARDA	HARDA	npp	22.25960	77.04860	4/9/2022	02:12:53	N	1.10
77	HARDA	HARDA	npp	22.26730	77.02460	4/9/2022	02:12:53	N	1.20
78	HARDA	HARDA	npp	22.26940	76.99120	4/9/2022	02:12:53	N	0.40
79	HARDA	HARDA	npp	22.27080	77.02530	4/9/2022	02:12:53	N	1.20
80	HARDA	HARDA	npp	22.30020	77.05100	4/9/2022	02:12:53	N	0.90
81	HARDA	HARDA	npp	22.30090	77.04690	4/9/2022	02:12:53	N	1.80
82	HARDA	HARDA	npp	22.31930	76.90980	4/9/2022	13:22:53	D	9.30
83	HARDA	HARDA	npp	22.37660	77.10710	4/9/2022	13:22:53	D	26.90
84	HARDA	HARDA	npp	22.44700	77.03640	4/9/2022	02:12:53	N	1.00
85	HARDA	HARDA	npp	22.48280	77.09870	4/9/2022	02:12:53	N	1.30
86	HARDA	HARDA	npp	22.48350	77.09460	4/9/2022	02:12:53	N	1.30
87	HARDA	KHIRKIYAN	npp	22.01800	77.12620	4/9/2022	02:12:53	N	2.20
88	HARDA	KHIRKIYAN	npp	22.07950	76.89260	4/9/2022	02:12:53	N	1.60
89	HARDA	KHIRKIYAN	npp	22.08020	76.88850	4/9/2022	02:12:53	N	3.40
90	HARDA	TIMURNI	npp	22.34000	77.29900	4/9/2022	02:12:53	N	0.70
91	HARDA	TIMURNI	npp	22.37530	77.22240	4/9/2022	02:12:53	N	1.10
92	HARDA	TIMURNI	npp	22.47170	77.25390	4/9/2022	02:12:53	N	0.90
93	HARDA	TIMURNI	npp	22.50750	77.21380	4/9/2022	02:12:53	N	0.60
94	HARDA	TIMURNI	npp	22.52770	77.20080	4/9/2022	02:12:53	N	1.60
95	HARDA	TIMURNI	npp	22.53120	77.20150	4/9/2022	02:12:53	N	1.60

96	HARDA	TIMURNI	npp	22.53190	77.19730	4/9/2022	02:12:53	N	1.60
97	HOSHANGABAD	BABAI	npp	22.67940	78.06640	4/9/2022	02:12:53	N	1.20
98	HOSHANGABAD	BABAI	npp	22.68300	78.06720	4/9/2022	02:12:53	N	1.20
99	HOSHANGABAD	BABAI	npp	22.69260	78.05530	4/9/2022	02:12:53	N	0.50
100	HOSHANGABAD	BABAI	npp	22.69890	78.06120	4/9/2022	02:12:53	N	0.70
101	HOSHANGABAD	BABAI	npp	22.69970	78.01520	4/9/2022	02:12:53	N	2.00
102	HOSHANGABAD	BABAI	npp	22.70050	78.05230	4/9/2022	02:12:53	N	1.50
103	HOSHANGABAD	BABAI	npp	22.70410	78.05310	4/9/2022	02:12:53	N	0.70
104	HOSHANGABAD	BABAI	npp	22.70530	78.02560	4/9/2022	02:12:53	N	4.00
105	HOSHANGABAD	BABAI	npp	22.70610	78.02120	4/9/2022	02:12:53	N	2.40
106	HOSHANGABAD	BABAI	npp	22.70890	78.02640	4/9/2022	02:12:53	N	1.90
107	HOSHANGABAD	BABAI	npp	22.70920	78.00340	4/9/2022	02:12:53	N	0.30
108	HOSHANGABAD	BABAI	npp	22.70970	78.02190	4/9/2022	02:12:53	N	3.90
109	HOSHANGABAD	BABAI	npp	22.71280	78.00420	4/9/2022	02:12:53	N	2.30
110	HOSHANGABAD	BABAI	npp	22.71320	78.02270	4/9/2022	02:12:53	N	3.90
111	HOSHANGABAD	BABAI	npp	22.71640	78.00490	4/9/2022	02:12:53	N	2.30
112	HOSHANGABAD	BABAI	npp	22.72080	77.85530	4/9/2022	02:12:53	N	0.50
113	HOSHANGABAD	BABAI	npp	22.72170	77.86970	4/9/2022	13:22:53	D	7.40
114	HOSHANGABAD	BABAI	npp	22.72600	78.03460	4/9/2022	02:12:53	N	3.70
115	HOSHANGABAD	BABAI	npp	22.72640	78.01160	4/9/2022	02:12:53	N	6.30
116	HOSHANGABAD	BABAI	npp	22.72790	78.00270	4/9/2022	02:12:53	N	1.10
117	HOSHANGABAD	BABAI	npp	22.73320	78.03610	4/9/2022	02:12:53	N	3.20
118	HOSHANGABAD	BABAI	npp	22.73480	77.88080	4/9/2022	02:12:53	N	1.20
119	HOSHANGABAD	BABAI	npp	22.73900	77.98200	4/9/2022	02:12:53	N	1.10
120	HOSHANGABAD	BABAI	npp	22.74220	78.00570	4/9/2022	02:12:53	N	1.30
121	HOSHANGABAD	BABAI	npp	22.74680	78.02610	4/9/2022	13:22:53	D	25.50
122	HOSHANGABAD	BABAI	npp	22.74950	78.02170	4/9/2022	13:22:53	D	10.80
123	HOSHANGABAD	BABAI	npp	22.75770	78.00840	4/9/2022	13:22:53	D	31.60
124	HOSHANGABAD	BABAI	npp	22.76010	78.00950	4/9/2022	02:12:53	N	1.00
125	HOSHANGABAD	BABAI	npp	22.76020	78.02360	4/9/2022	13:22:53	D	34.20
126	HOSHANGABAD	BABAI	npp	22.76080	78.02740	4/9/2022	13:22:53	D	34.20
127	HOSHANGABAD	BABAI	npp	22.76140	78.03120	4/9/2022	13:22:53	D	16.00
128	HOSHANGABAD	BABAI	npp	22.76190	78.00770	4/9/2022	02:12:53	N	1.20

129	HOSHANGABAD	BABAI	npp	22.76350	78.02300	4/9/2022	13:22:53	D	34.20
130	HOSHANGABAD	BABAI	npp	22.76360	77.80090	4/9/2022	02:12:53	N	4.40
131	HOSHANGABAD	BABAI	npp	22.76370	78.01020	4/9/2022	02:12:53	N	0.60
132	HOSHANGABAD	BABAI	npp	22.76470	78.03060	4/9/2022	13:22:53	D	16.00
133	HOSHANGABAD	BABAI	npp	22.76540	78.00840	4/9/2022	02:12:53	N	1.20
134	HOSHANGABAD	BABAI	npp	22.77380	78.08760	4/9/2022	13:22:53	D	12.80
135	HOSHANGABAD	BABAI	npp	22.77620	77.81260	4/9/2022	02:12:53	N	6.60
136	HOSHANGABAD	BABAI	npp	22.77650	78.08320	4/9/2022	13:22:53	D	11.10
137	HOSHANGABAD	BABAI	npp	22.77700	77.80820	4/9/2022	02:12:53	N	3.50
138	HOSHANGABAD	BABAI	npp	22.77710	78.08700	4/9/2022	13:22:53	D	11.10
139	HOSHANGABAD	BABAI	npp	22.77990	78.08260	4/9/2022	13:22:53	D	11.10
140	HOSHANGABAD	BABAI	npp	22.78050	78.08640	4/9/2022	13:22:53	D	11.10
141	HOSHANGABAD	BABAI	npp	22.78060	77.80890	4/9/2022	02:12:53	N	3.50
142	HOSHANGABAD	BABAI	npp	22.79320	77.95080	4/9/2022	13:22:53	D	13.10
143	HOSHANGABAD	BABAI	npp	22.79680	77.82130	4/9/2022	02:12:53	N	2.20
144	HOSHANGABAD	BABAI	npp	22.80030	77.82200	4/9/2022	02:12:53	N	2.20
145	HOSHANGABAD	BABAI	npp	22.80110	77.81760	4/9/2022	02:12:53	N	2.20
146	HOSHANGABAD	BABAI	npp	22.80300	77.82050	4/9/2022	02:12:53	N	1.90
147	HOSHANGABAD	BABAI	npp	22.80950	77.99010	4/9/2022	02:12:53	N	2.20
148	HOSHANGABAD	BABAI	npp	22.81030	77.98560	4/9/2022	02:12:53	N	0.90
149	HOSHANGABAD	BABAI	Terra	22.66700	78.06400	4/9/2022	10:27:41	D	30.60
150	HOSHANGABAD	BABAI	Terra	22.71400	78.01800	4/9/2022	10:27:41	D	25.00
151	HOSHANGABAD	BABAI	Terra	22.79600	77.95000	4/9/2022	10:27:41	D	23.20
152	HOSHANGABAD	BANKHERI	npp	22.71260	78.45210	4/9/2022	13:22:53	D	14.10
153	HOSHANGABAD	BANKHERI	npp	22.71320	78.45590	4/9/2022	13:22:53	D	14.10
154	HOSHANGABAD	BANKHERI	npp	22.71590	78.45150	4/9/2022	13:22:53	D	14.10
155	HOSHANGABAD	BANKHERI	npp	22.71630	78.44450	4/9/2022	02:12:53	N	0.90
156	HOSHANGABAD	BANKHERI	npp	22.71710	78.45900	4/9/2022	13:22:53	D	3.00
157	HOSHANGABAD	BANKHERI	npp	22.71980	78.45470	4/9/2022	13:22:53	D	3.10
158	HOSHANGABAD	BANKHERI	npp	22.71990	78.44530	4/9/2022	02:12:53	N	1.50
159	HOSHANGABAD	BANKHERI	npp	22.72080	78.44070	4/9/2022	02:12:53	N	1.50
160	HOSHANGABAD	BANKHERI	npp	22.72160	78.43610	4/9/2022	02:12:53	N	1.40
161	HOSHANGABAD	BANKHERI	npp	22.72590	78.44970	4/9/2022	13:22:53	D	2.50

162	HOSHANGABAD	BANKHERI	npp	22.74940	78.47090	4/9/2022	02:12:53	N	0.80
163	HOSHANGABAD	BANKHERI	npp	22.80220	78.48500	4/9/2022	02:12:53	N	0.50
164	HOSHANGABAD	BANKHERI	npp	22.81410	78.48270	4/9/2022	02:12:53	N	0.50
165	HOSHANGABAD	BANKHERI	npp	22.81830	78.45950	4/9/2022	02:12:53	N	0.60
166	HOSHANGABAD	BANKHERI	npp	22.83220	78.45740	4/9/2022	13:22:53	D	3.50
167	HOSHANGABAD	BANKHERI	npp	22.83280	78.46120	4/9/2022	13:22:53	D	2.80
168	HOSHANGABAD	BANKHERI	npp	22.83490	78.47260	4/9/2022	02:12:53	N	1.00
169	HOSHANGABAD	BANKHERI	npp	22.83850	78.47340	4/9/2022	02:12:53	N	0.70
170	HOSHANGABAD	BANKHERI	npp	22.84370	78.50930	4/9/2022	13:22:53	D	2.90
171	HOSHANGABAD	BANKHERI	npp	22.86300	78.52690	4/9/2022	02:12:53	N	0.80
172	HOSHANGABAD	BANKHERI	npp	22.86640	78.50830	4/9/2022	02:12:53	N	1.80
173	HOSHANGABAD	BANKHERI	npp	22.87300	78.47110	4/9/2022	02:12:53	N	0.70
174	HOSHANGABAD	BANKHERI	npp	22.89780	78.48110	4/9/2022	02:12:53	N	4.70
175	HOSHANGABAD	BANKHERI	npp	22.90010	78.48390	4/9/2022	02:12:53	N	3.70
176	HOSHANGABAD	BANKHERI	npp	22.90060	78.48650	4/9/2022	02:12:53	N	0.80
177	HOSHANGABAD	BANKHERI	npp	22.90090	78.47930	4/9/2022	02:12:53	N	7.50
178	HOSHANGABAD	BANKHERI	npp	22.90140	78.48190	4/9/2022	02:12:53	N	4.70
179	HOSHANGABAD	BANKHERI	npp	22.90220	78.47730	4/9/2022	02:12:53	N	4.70
180	HOSHANGABAD	BANKHERI	npp	22.90370	78.48470	4/9/2022	02:12:53	N	3.70
181	HOSHANGABAD	BANKHERI	npp	22.90830	78.41860	4/9/2022	02:12:53	N	2.80
182	HOSHANGABAD	BANKHERI	npp	22.90930	78.41640	4/9/2022	02:12:53	N	3.00
183	HOSHANGABAD	BANKHERI	npp	22.91110	78.42390	4/9/2022	02:12:53	N	1.00
184	HOSHANGABAD	BANKHERI	npp	22.91200	78.41930	4/9/2022	02:12:53	N	1.00
185	HOSHANGABAD	BANKHERI	npp	22.91210	78.42180	4/9/2022	02:12:53	N	2.10
186	HOSHANGABAD	BANKHERI	npp	22.92700	78.52350	4/9/2022	02:12:53	N	0.40
187	HOSHANGABAD	BANKHERI	npp	22.93490	78.56390	4/9/2022	02:12:53	N	1.00
188	HOSHANGABAD	BANKHERI	npp	22.93850	78.56470	4/9/2022	02:12:53	N	2.10
189	HOSHANGABAD	BANKHERI	npp	22.94050	78.44930	4/9/2022	02:12:53	N	7.20
190	HOSHANGABAD	BANKHERI	npp	22.94420	78.45010	4/9/2022	02:12:53	N	1.00
191	HOSHANGABAD	BANKHERI	npp	22.94700	78.45550	4/9/2022	02:12:53	N	1.10
192	HOSHANGABAD	BANKHERI	npp	22.94780	78.45080	4/9/2022	02:12:53	N	1.00
193	HOSHANGABAD	BANKHERI	npp	22.95060	78.45620	4/9/2022	02:12:53	N	1.70
194	HOSHANGABAD	BANKHERI	Terra	22.71700	78.44400	4/9/2022	10:27:41	D	48.30

195	HOSHANGABAD	BANKHERI	Terra	22.72900	78.44500	4/9/2022	10:27:41	D	18.70
196	HOSHANGABAD	BANKHERI	Terra	22.84800	78.44900	4/9/2022	23:01:33	N	30.90
197	HOSHANGABAD	HOSHANGABAD	npp	22.60120	77.63260	4/9/2022	02:12:53	N	1.50
198	HOSHANGABAD	HOSHANGABAD	npp	22.63670	77.59380	4/9/2022	02:12:53	N	1.50
199	HOSHANGABAD	HOSHANGABAD	npp	22.65480	77.67740	4/9/2022	02:12:53	N	1.70
200	HOSHANGABAD	HOSHANGABAD	npp	22.65840	77.67810	4/9/2022	02:12:53	N	1.70
201	HOSHANGABAD	HOSHANGABAD	npp	22.69190	77.78020	4/9/2022	13:22:53	D	18.30
202	HOSHANGABAD	HOSHANGABAD	npp	22.69850	77.69980	4/9/2022	02:12:53	N	0.40
203	HOSHANGABAD	HOSHANGABAD	npp	22.71880	77.70200	4/9/2022	02:12:53	N	0.70
204	HOSHANGABAD	HOSHANGABAD	npp	22.72310	77.69840	4/9/2022	02:12:53	N	0.60
205	HOSHANGABAD	ITARSI	npp	22.59420	77.89480	4/9/2022	02:12:53	N	4.30
206	HOSHANGABAD	ITARSI	npp	22.59490	77.89040	4/9/2022	02:12:53	N	1.60
207	HOSHANGABAD	ITARSI	npp	22.59770	77.89550	4/9/2022	02:12:53	N	4.30
208	HOSHANGABAD	ITARSI	npp	22.59850	77.89110	4/9/2022	02:12:53	N	1.60
209	HOSHANGABAD	ITARSI	npp	22.59930	77.88670	4/9/2022	02:12:53	N	1.60
210	HOSHANGABAD	ITARSI	npp	22.60130	77.89620	4/9/2022	02:12:53	N	2.50
211	HOSHANGABAD	ITARSI	npp	22.60210	77.89190	4/9/2022	02:12:53	N	3.30
212	HOSHANGABAD	ITARSI	npp	22.61340	77.84870	4/9/2022	02:12:53	N	1.20
213	HOSHANGABAD	ITARSI	npp	22.61360	77.93080	4/9/2022	02:12:53	N	1.90
214	HOSHANGABAD	ITARSI	npp	22.61530	77.96320	4/9/2022	02:12:53	N	2.90
215	HOSHANGABAD	ITARSI	npp	22.61590	77.87650	4/9/2022	02:12:53	N	2.30
216	HOSHANGABAD	ITARSI	npp	22.61610	77.95880	4/9/2022	02:12:53	N	2.50
217	HOSHANGABAD	ITARSI	npp	22.61640	77.93590	4/9/2022	02:12:53	N	1.10
218	HOSHANGABAD	ITARSI	npp	22.61720	77.93150	4/9/2022	02:12:53	N	1.30
219	HOSHANGABAD	ITARSI	npp	22.61960	77.95950	4/9/2022	02:12:53	N	8.40
220	HOSHANGABAD	ITARSI	npp	22.61970	77.81380	4/9/2022	02:12:53	N	1.80
221	HOSHANGABAD	ITARSI	npp	22.62320	77.81450	4/9/2022	02:12:53	N	1.10
222	HOSHANGABAD	ITARSI	npp	22.63310	77.82110	4/9/2022	02:12:53	N	1.60
223	HOSHANGABAD	ITARSI	npp	22.63940	77.93160	4/9/2022	02:12:53	N	3.10
224	HOSHANGABAD	PIPARIYA	npp	22.66610	78.30740	4/9/2022	02:12:53	N	2.00
225	HOSHANGABAD	PIPARIYA	npp	22.66970	78.30820	4/9/2022	02:12:53	N	2.00
226	HOSHANGABAD	PIPARIYA	npp	22.69780	78.36170	4/9/2022	02:12:53	N	0.40
227	HOSHANGABAD	PIPARIYA	npp	22.69870	78.35460	4/9/2022	02:12:53	N	2.60

228	HOSHANGABAD	PIPARIYA	npp	22.69870	78.35710	4/9/2022	02:12:53	N	1.50
229	HOSHANGABAD	PIPARIYA	npp	22.69950	78.35250	4/9/2022	02:12:53	N	1.50
230	HOSHANGABAD	PIPARIYA	npp	22.70450	78.42270	4/9/2022	13:22:53	D	22.70
231	HOSHANGABAD	PIPARIYA	npp	22.72310	78.45410	4/9/2022	13:22:53	D	3.10
232	HOSHANGABAD	PIPARIYA	npp	22.72960	78.30890	4/9/2022	02:12:53	N	2.10
233	HOSHANGABAD	PIPARIYA	npp	22.73000	78.30190	4/9/2022	13:22:53	D	12.60
234	HOSHANGABAD	PIPARIYA	npp	22.73050	78.30430	4/9/2022	02:12:53	N	1.20
235	HOSHANGABAD	PIPARIYA	npp	22.73130	78.44100	4/9/2022	13:22:53	D	3.60
236	HOSHANGABAD	PIPARIYA	npp	22.73190	78.44480	4/9/2022	13:22:53	D	3.60
237	HOSHANGABAD	PIPARIYA	npp	22.73410	78.30510	4/9/2022	02:12:53	N	1.20
238	HOSHANGABAD	PIPARIYA	npp	22.73430	78.45980	4/9/2022	13:22:53	D	17.60
239	HOSHANGABAD	PIPARIYA	npp	22.73490	78.30050	4/9/2022	02:12:53	N	1.20
240	HOSHANGABAD	PIPARIYA	npp	22.73580	78.44790	4/9/2022	13:22:53	D	10.50
241	HOSHANGABAD	PIPARIYA	npp	22.73610	78.31500	4/9/2022	02:12:53	N	1.00
242	HOSHANGABAD	PIPARIYA	npp	22.73690	78.31040	4/9/2022	02:12:53	N	1.00
243	HOSHANGABAD	PIPARIYA	npp	22.73760	78.45920	4/9/2022	13:22:53	D	17.60
244	HOSHANGABAD	PIPARIYA	npp	22.73820	78.46290	4/9/2022	13:22:53	D	13.60
245	HOSHANGABAD	PIPARIYA	npp	22.73970	78.45110	4/9/2022	13:22:53	D	6.20
246	HOSHANGABAD	PIPARIYA	npp	22.74090	78.45860	4/9/2022	13:22:53	D	12.70
247	HOSHANGABAD	PIPARIYA	npp	22.74150	78.46230	4/9/2022	13:22:53	D	13.40
248	HOSHANGABAD	PIPARIYA	npp	22.74250	78.44670	4/9/2022	13:22:53	D	6.20
249	HOSHANGABAD	PIPARIYA	npp	22.74300	78.45040	4/9/2022	13:22:53	D	6.20
250	HOSHANGABAD	PIPARIYA	npp	22.74360	78.45420	4/9/2022	13:22:53	D	12.70
251	HOSHANGABAD	PIPARIYA	npp	22.74480	78.46170	4/9/2022	13:22:53	D	13.40
252	HOSHANGABAD	PIPARIYA	npp	22.74540	78.46550	4/9/2022	13:22:53	D	13.40
253	HOSHANGABAD	PIPARIYA	npp	22.74580	78.44610	4/9/2022	13:22:53	D	10.50
254	HOSHANGABAD	PIPARIYA	npp	22.74860	78.30810	4/9/2022	02:12:53	N	2.70
255	HOSHANGABAD	PIPARIYA	npp	22.75300	78.44860	4/9/2022	13:22:53	D	3.70
256	HOSHANGABAD	PIPARIYA	npp	22.75360	78.45240	4/9/2022	13:22:53	D	9.10
257	HOSHANGABAD	PIPARIYA	npp	22.75800	78.32780	4/9/2022	13:22:53	D	5.70
258	HOSHANGABAD	PIPARIYA	npp	22.76610	78.37840	4/9/2022	02:12:53	N	1.10
259	HOSHANGABAD	PIPARIYA	npp	22.76890	78.38380	4/9/2022	02:12:53	N	1.80
260	HOSHANGABAD	PIPARIYA	npp	22.76970	78.37920	4/9/2022	02:12:53	N	1.90

261	HOSHANGABAD	PIPARIYA	npp	22.77170	78.38910	4/9/2022	02:12:53	N	1.80
262	HOSHANGABAD	PIPARIYA	npp	22.77250	78.38450	4/9/2022	02:12:53	N	1.80
263	HOSHANGABAD	PIPARIYA	npp	22.77340	78.37990	4/9/2022	02:12:53	N	1.90
264	HOSHANGABAD	PIPARIYA	npp	22.77380	78.36360	4/9/2022	13:22:53	D	2.60
265	HOSHANGABAD	PIPARIYA	npp	22.77420	78.37530	4/9/2022	02:12:53	N	1.90
266	HOSHANGABAD	PIPARIYA	npp	22.77540	78.38990	4/9/2022	02:12:53	N	3.20
267	HOSHANGABAD	PIPARIYA	npp	22.77620	78.38530	4/9/2022	02:12:53	N	3.20
268	HOSHANGABAD	PIPARIYA	npp	22.77700	78.38070	4/9/2022	02:12:53	N	2.80
269	HOSHANGABAD	PIPARIYA	npp	22.77980	78.38610	4/9/2022	02:12:53	N	3.20
270	HOSHANGABAD	PIPARIYA	npp	22.78060	78.38150	4/9/2022	02:12:53	N	2.80
271	HOSHANGABAD	PIPARIYA	npp	22.78460	78.40150	4/9/2022	02:12:53	N	1.00
272	HOSHANGABAD	PIPARIYA	npp	22.78830	78.40220	4/9/2022	02:12:53	N	1.20
273	HOSHANGABAD	PIPARIYA	npp	22.79190	78.40300	4/9/2022	02:12:53	N	1.20
274	HOSHANGABAD	PIPARIYA	npp	22.82450	78.40860	4/9/2022	13:22:53	D	1.80
275	HOSHANGABAD	PIPARIYA	npp	22.82570	78.41610	4/9/2022	13:22:53	D	7.60
276	HOSHANGABAD	PIPARIYA	npp	22.83080	78.42680	4/9/2022	13:22:53	D	15.90
277	HOSHANGABAD	PIPARIYA	npp	22.83130	78.36480	4/9/2022	13:22:53	D	3.30
278	HOSHANGABAD	PIPARIYA	npp	22.83190	78.36850	4/9/2022	13:22:53	D	5.00
279	HOSHANGABAD	PIPARIYA	npp	22.83260	78.38110	4/9/2022	02:12:53	N	4.10
280	HOSHANGABAD	PIPARIYA	npp	22.83410	78.42610	4/9/2022	13:22:53	D	15.90
281	HOSHANGABAD	PIPARIYA	npp	22.83520	78.36790	4/9/2022	13:22:53	D	7.30
282	HOSHANGABAD	PIPARIYA	npp	22.83620	78.38190	4/9/2022	02:12:53	N	4.10
283	HOSHANGABAD	PIPARIYA	npp	22.83650	78.40100	4/9/2022	02:12:53	N	2.50
284	HOSHANGABAD	PIPARIYA	npp	22.83790	78.37270	4/9/2022	02:12:53	N	1.50
285	HOSHANGABAD	PIPARIYA	npp	22.83840	78.40990	4/9/2022	13:22:53	D	4.40
286	HOSHANGABAD	PIPARIYA	npp	22.83900	78.38720	4/9/2022	02:12:53	N	5.00
287	HOSHANGABAD	PIPARIYA	npp	22.83930	78.40640	4/9/2022	02:12:53	N	4.50
288	HOSHANGABAD	PIPARIYA	npp	22.84020	78.40180	4/9/2022	02:12:53	N	2.50
289	HOSHANGABAD	PIPARIYA	npp	22.84150	78.37350	4/9/2022	02:12:53	N	2.20
290	HOSHANGABAD	PIPARIYA	npp	22.84190	78.36670	4/9/2022	13:22:53	D	3.60
291	HOSHANGABAD	PIPARIYA	npp	22.84210	78.41170	4/9/2022	02:12:53	N	2.90
292	HOSHANGABAD	PIPARIYA	npp	22.84230	78.41310	4/9/2022	13:22:53	D	4.10
293	HOSHANGABAD	PIPARIYA	npp	22.84240	78.36890	4/9/2022	02:12:53	N	2.20

294	HOSHANGABAD	PIPARIYA	npp	22.84270	78.38790	4/9/2022	02:12:53	N	5.00
295	HOSHANGABAD	PIPARIYA	npp	22.84300	78.40710	4/9/2022	02:12:53	N	2.90
296	HOSHANGABAD	PIPARIYA	npp	22.84350	78.42060	4/9/2022	13:22:53	D	5.50
297	HOSHANGABAD	PIPARIYA	npp	22.84380	78.40250	4/9/2022	02:12:53	N	7.90
298	HOSHANGABAD	PIPARIYA	npp	22.84520	78.36610	4/9/2022	13:22:53	D	3.60
299	HOSHANGABAD	PIPARIYA	npp	22.84540	78.38930	4/9/2022	13:22:53	D	5.90
300	HOSHANGABAD	PIPARIYA	npp	22.84580	78.41250	4/9/2022	02:12:53	N	2.90
301	HOSHANGABAD	PIPARIYA	npp	22.84660	78.40790	4/9/2022	02:12:53	N	2.90
302	HOSHANGABAD	PIPARIYA	npp	22.84740	78.40330	4/9/2022	02:12:53	N	7.90
303	HOSHANGABAD	PIPARIYA	npp	22.84810	78.38490	4/9/2022	13:22:53	D	4.60
304	HOSHANGABAD	PIPARIYA	npp	22.85110	78.40410	4/9/2022	02:12:53	N	3.30
305	HOSHANGABAD	PIPARIYA	npp	22.85160	78.38030	4/9/2022	02:12:53	N	1.80
306	HOSHANGABAD	PIPARIYA	npp	22.85380	78.39940	4/9/2022	13:22:53	D	3.70
307	HOSHANGABAD	PIPARIYA	npp	22.85930	78.39060	4/9/2022	13:22:53	D	5.50
308	HOSHANGABAD	PIPARIYA	npp	22.86260	78.39000	4/9/2022	13:22:53	D	5.50
309	HOSHANGABAD	PIPARIYA	Terra	22.83600	78.41100	4/9/2022	10:27:41	D	29.90
310	HOSHANGABAD	PIPARIYA	Terra	22.85700	78.38400	4/9/2022	10:27:41	D	54.40
311	HOSHANGABAD	SEONI MALWA	npp	22.38160	77.39260	4/9/2022	02:12:53	N	2.30
312	HOSHANGABAD	SEONI MALWA	npp	22.44800	77.30180	4/9/2022	02:12:53	N	1.70
313	HOSHANGABAD	SEONI MALWA	npp	22.45590	77.52960	4/9/2022	02:12:53	N	0.80
314	HOSHANGABAD	SEONI MALWA	npp	22.49780	77.31090	4/9/2022	02:12:53	N	6.90
315	HOSHANGABAD	SEONI MALWA	npp	22.50130	77.31170	4/9/2022	02:12:53	N	0.90
316	HOSHANGABAD	SEONI MALWA	npp	22.51740	77.40610	4/9/2022	02:12:53	N	0.60
317	HOSHANGABAD	SEONI MALWA	npp	22.52310	77.39420	4/9/2022	02:12:53	N	3.60
318	HOSHANGABAD	SEONI MALWA	npp	22.53500	77.49100	4/9/2022	02:12:53	N	0.60
319	HOSHANGABAD	SOHAGPUR	npp	22.67350	78.22390	4/9/2022	02:12:53	N	0.90
320	HOSHANGABAD	SOHAGPUR	npp	22.67560	78.10960	4/9/2022	13:22:53	D	10.00
321	HOSHANGABAD	SOHAGPUR	npp	22.67860	78.11260	4/9/2022	02:12:53	N	0.90
322	HOSHANGABAD	SOHAGPUR	npp	22.67930	78.10810	4/9/2022	02:12:53	N	1.30
323	HOSHANGABAD	SOHAGPUR	npp	22.69550	78.30040	4/9/2022	13:22:53	D	19.70
324	HOSHANGABAD	SOHAGPUR	npp	22.69570	78.12090	4/9/2022	02:12:53	N	1.50
325	HOSHANGABAD	SOHAGPUR	npp	22.69710	78.09390	4/9/2022	13:22:53	D	8.50
326	HOSHANGABAD	SOHAGPUR	npp	22.69800	78.23370	4/9/2022	02:12:53	N	1.60

327	HOSHANGABAD	SOHAGPUR	npp	22.69890	78.22920	4/9/2022	02:12:53	N	1.60
328	HOSHANGABAD	SOHAGPUR	npp	22.69890	78.29980	4/9/2022	13:22:53	D	19.70
329	HOSHANGABAD	SOHAGPUR	npp	22.69920	78.24810	4/9/2022	02:12:53	N	0.70
330	HOSHANGABAD	SOHAGPUR	npp	22.69930	78.07980	4/9/2022	02:12:53	N	2.00
331	HOSHANGABAD	SOHAGPUR	npp	22.70040	78.09320	4/9/2022	13:22:53	D	8.50
332	HOSHANGABAD	SOHAGPUR	npp	22.70080	78.23900	4/9/2022	02:12:53	N	1.10
333	HOSHANGABAD	SOHAGPUR	npp	22.70120	78.25800	4/9/2022	02:12:53	N	0.30
334	HOSHANGABAD	SOHAGPUR	npp	22.70160	78.10090	4/9/2022	13:22:53	D	8.20
335	HOSHANGABAD	SOHAGPUR	npp	22.70210	78.08510	4/9/2022	02:12:53	N	2.00
336	HOSHANGABAD	SOHAGPUR	npp	22.70290	78.08060	4/9/2022	02:12:53	N	2.00
337	HOSHANGABAD	SOHAGPUR	npp	22.70370	78.07610	4/9/2022	02:12:53	N	1.40
338	HOSHANGABAD	SOHAGPUR	npp	22.70410	78.09480	4/9/2022	02:12:53	N	0.90
339	HOSHANGABAD	SOHAGPUR	npp	22.70500	78.10020	4/9/2022	13:22:53	D	11.20
340	HOSHANGABAD	SOHAGPUR	npp	22.70650	78.08140	4/9/2022	02:12:53	N	2.50
341	HOSHANGABAD	SOHAGPUR	npp	22.70730	78.07690	4/9/2022	02:12:53	N	1.10
342	HOSHANGABAD	SOHAGPUR	npp	22.70810	78.07240	4/9/2022	02:12:53	N	1.10
343	HOSHANGABAD	SOHAGPUR	npp	22.70830	78.09960	4/9/2022	13:22:53	D	11.20
344	HOSHANGABAD	SOHAGPUR	npp	22.70890	78.10340	4/9/2022	13:22:53	D	23.80
345	HOSHANGABAD	SOHAGPUR	npp	22.70980	78.08760	4/9/2022	13:22:53	D	5.20
346	HOSHANGABAD	SOHAGPUR	npp	22.71740	78.26540	4/9/2022	13:22:53	D	6.60
347	HOSHANGABAD	SOHAGPUR	npp	22.72150	78.18300	4/9/2022	13:22:53	D	9.80
348	HOSHANGABAD	SOHAGPUR	npp	22.72370	78.27920	4/9/2022	02:12:53	N	1.10
349	HOSHANGABAD	SOHAGPUR	npp	22.72410	78.19230	4/9/2022	02:12:53	N	0.60
350	HOSHANGABAD	SOHAGPUR	npp	22.72420	78.17860	4/9/2022	13:22:53	D	8.90
351	HOSHANGABAD	SOHAGPUR	npp	22.72460	78.27470	4/9/2022	02:12:53	N	2.10
352	HOSHANGABAD	SOHAGPUR	npp	22.72480	78.18240	4/9/2022	13:22:53	D	8.90
353	HOSHANGABAD	SOHAGPUR	npp	22.72530	78.20890	4/9/2022	02:12:53	N	0.70
354	HOSHANGABAD	SOHAGPUR	npp	22.72540	78.20660	4/9/2022	02:12:53	N	0.60
355	HOSHANGABAD	SOHAGPUR	npp	22.72610	78.20440	4/9/2022	02:12:53	N	0.70
356	HOSHANGABAD	SOHAGPUR	npp	22.72820	78.27540	4/9/2022	02:12:53	N	1.50
357	HOSHANGABAD	SOHAGPUR	npp	22.72840	78.23310	4/9/2022	02:12:53	N	1.50
358	HOSHANGABAD	SOHAGPUR	npp	22.72860	78.23070	4/9/2022	02:12:53	N	3.20
359	HOSHANGABAD	SOHAGPUR	npp	22.72920	78.22860	4/9/2022	02:12:53	N	1.00

360	HOSHANGABAD	SOHAGPUR	npp	22.72930	78.14190	4/9/2022	02:12:53	N	0.80
361	HOSHANGABAD	SOHAGPUR	npp	22.72970	78.20510	4/9/2022	02:12:53	N	0.70
362	HOSHANGABAD	SOHAGPUR	npp	22.73000	78.22400	4/9/2022	02:12:53	N	1.00
363	HOSHANGABAD	SOHAGPUR	npp	22.73010	78.13740	4/9/2022	02:12:53	N	1.20
364	HOSHANGABAD	SOHAGPUR	npp	22.73020	78.22170	4/9/2022	02:12:53	N	1.90
365	HOSHANGABAD	SOHAGPUR	npp	22.73090	78.21950	4/9/2022	02:12:53	N	1.30
366	HOSHANGABAD	SOHAGPUR	npp	22.73180	78.27620	4/9/2022	02:12:53	N	1.50
367	HOSHANGABAD	SOHAGPUR	npp	22.73270	78.27170	4/9/2022	02:12:53	N	1.50
368	HOSHANGABAD	SOHAGPUR	npp	22.73730	78.22550	4/9/2022	02:12:53	N	0.40
369	HOSHANGABAD	SOHAGPUR	npp	22.73790	78.26330	4/9/2022	02:12:53	N	0.80
370	HOSHANGABAD	SOHAGPUR	npp	22.73800	78.22270	4/9/2022	13:22:53	D	32.60
371	HOSHANGABAD	SOHAGPUR	npp	22.74240	78.25950	4/9/2022	02:12:53	N	1.90
372	HOSHANGABAD	SOHAGPUR	npp	22.74340	78.21270	4/9/2022	02:12:53	N	0.80
373	HOSHANGABAD	SOHAGPUR	npp	22.74760	78.13140	4/9/2022	13:22:53	D	20.90
374	HOSHANGABAD	SOHAGPUR	npp	22.74760	78.14820	4/9/2022	02:12:53	N	1.20
375	HOSHANGABAD	SOHAGPUR	npp	22.74920	78.22850	4/9/2022	13:22:53	D	23.80
376	HOSHANGABAD	SOHAGPUR	npp	22.75430	78.23920	4/9/2022	13:22:53	D	11.30
377	HOSHANGABAD	SOHAGPUR	npp	22.75730	78.25810	4/9/2022	13:22:53	D	26.10
378	HOSHANGABAD	SOHAGPUR	npp	22.75740	78.32400	4/9/2022	13:22:53	D	14.30
379	HOSHANGABAD	SOHAGPUR	npp	22.75880	78.27240	4/9/2022	02:12:53	N	1.20
380	HOSHANGABAD	SOHAGPUR	npp	22.76010	78.24440	4/9/2022	02:12:53	N	1.20
381	HOSHANGABAD	SOHAGPUR	npp	22.76010	78.31960	4/9/2022	13:22:53	D	10.50
382	HOSHANGABAD	SOHAGPUR	npp	22.76050	78.26330	4/9/2022	02:12:53	N	1.70
383	HOSHANGABAD	SOHAGPUR	npp	22.76070	78.17880	4/9/2022	02:12:53	N	2.50
384	HOSHANGABAD	SOHAGPUR	npp	22.76070	78.32340	4/9/2022	13:22:53	D	10.50
385	HOSHANGABAD	SOHAGPUR	npp	22.76170	78.23540	4/9/2022	02:12:53	N	1.00
386	HOSHANGABAD	SOHAGPUR	npp	22.76260	78.23090	4/9/2022	02:12:53	N	1.00
387	HOSHANGABAD	SOHAGPUR	npp	22.76270	78.18860	4/9/2022	02:12:53	N	1.80
388	HOSHANGABAD	SOHAGPUR	npp	22.76370	78.24520	4/9/2022	02:12:53	N	3.00
389	HOSHANGABAD	SOHAGPUR	npp	22.76450	78.24060	4/9/2022	02:12:53	N	3.00
390	HOSHANGABAD	SOHAGPUR	npp	22.76510	78.32110	4/9/2022	02:12:53	N	0.60
391	HOSHANGABAD	SOHAGPUR	npp	22.76540	78.23610	4/9/2022	02:12:53	N	1.20
392	HOSHANGABAD	SOHAGPUR	npp	22.76620	78.31470	4/9/2022	13:22:53	D	16.50

393	HOSHANGABAD	SOHAGPUR	npp	22.76630	78.18940	4/9/2022	02:12:53	N	0.80
394	HOSHANGABAD	SOHAGPUR	npp	22.76660	78.18640	4/9/2022	13:22:53	D	32.10
395	HOSHANGABAD	SOHAGPUR	npp	22.76790	78.18040	4/9/2022	02:12:53	N	0.90
396	HOSHANGABAD	SOHAGPUR	npp	22.76870	78.32180	4/9/2022	02:12:53	N	0.60
397	HOSHANGABAD	SOHAGPUR	npp	22.77160	78.18160	4/9/2022	13:22:53	D	14.70
398	HOSHANGABAD	SOHAGPUR	npp	22.77180	78.24220	4/9/2022	02:12:53	N	1.20
399	HOSHANGABAD	SOHAGPUR	npp	22.77220	78.18540	4/9/2022	13:22:53	D	11.00
400	HOSHANGABAD	SOHAGPUR	npp	22.77460	78.24750	4/9/2022	02:12:53	N	1.20
401	HOSHANGABAD	SOHAGPUR	npp	22.77540	78.24290	4/9/2022	02:12:53	N	1.20
402	HOSHANGABAD	SOHAGPUR	npp	22.77900	78.24370	4/9/2022	02:12:53	N	4.10
403	HOSHANGABAD	SOHAGPUR	npp	22.78060	78.23460	4/9/2022	02:12:53	N	1.60
404	HOSHANGABAD	SOHAGPUR	npp	22.78340	78.23990	4/9/2022	02:12:53	N	1.60
405	HOSHANGABAD	SOHAGPUR	npp	22.78420	78.27780	4/9/2022	02:12:53	N	0.60
406	HOSHANGABAD	SOHAGPUR	npp	22.78430	78.29970	4/9/2022	13:22:53	D	10.30
407	HOSHANGABAD	SOHAGPUR	npp	22.78470	78.28020	4/9/2022	13:22:53	D	21.60
408	HOSHANGABAD	SOHAGPUR	npp	22.78530	78.28400	4/9/2022	13:22:53	D	6.70
409	HOSHANGABAD	SOHAGPUR	npp	22.78710	78.24070	4/9/2022	02:12:53	N	1.90
410	HOSHANGABAD	SOHAGPUR	npp	22.78710	78.29530	4/9/2022	13:22:53	D	2.10
411	HOSHANGABAD	SOHAGPUR	npp	22.78780	78.28360	4/9/2022	13:22:53	D	6.50
412	HOSHANGABAD	SOHAGPUR	npp	22.78990	78.27540	4/9/2022	13:22:53	D	4.50
413	HOSHANGABAD	SOHAGPUR	npp	22.79340	78.18930	4/9/2022	13:22:53	D	10.50
414	HOSHANGABAD	SOHAGPUR	npp	22.79340	78.28910	4/9/2022	02:12:53	N	4.40
415	HOSHANGABAD	SOHAGPUR	npp	22.79620	78.29440	4/9/2022	02:12:53	N	7.90
416	HOSHANGABAD	SOHAGPUR	npp	22.79670	78.18870	4/9/2022	13:22:53	D	10.50
417	HOSHANGABAD	SOHAGPUR	npp	22.79700	78.28990	4/9/2022	02:12:53	N	4.40
418	HOSHANGABAD	SOHAGPUR	npp	22.79980	78.29520	4/9/2022	02:12:53	N	1.60
419	HOSHANGABAD	SOHAGPUR	npp	22.80060	78.29070	4/9/2022	02:12:53	N	2.60
420	HOSHANGABAD	SOHAGPUR	npp	22.80440	78.16470	4/9/2022	02:12:53	N	1.20
421	HOSHANGABAD	SOHAGPUR	npp	22.80510	78.24450	4/9/2022	02:12:53	N	0.80
422	HOSHANGABAD	SOHAGPUR	npp	22.80520	78.16020	4/9/2022	02:12:53	N	2.00
423	HOSHANGABAD	SOHAGPUR	npp	22.80520	78.30750	4/9/2022	13:22:53	D	31.00
424	HOSHANGABAD	SOHAGPUR	npp	22.80620	78.29190	4/9/2022	13:22:53	D	172.10
425	HOSHANGABAD	SOHAGPUR	npp	22.80680	78.29560	4/9/2022	13:22:53	D	41.10

426	HOSHANGABAD	SOHAGPUR	npp	22.80800	78.16540	4/9/2022	02:12:53	N	1.90
427	HOSHANGABAD	SOHAGPUR	npp	22.80870	78.24520	4/9/2022	02:12:53	N	1.40
428	HOSHANGABAD	SOHAGPUR	npp	22.80880	78.16090	4/9/2022	02:12:53	N	2.40
429	HOSHANGABAD	SOHAGPUR	npp	22.80920	78.31070	4/9/2022	13:22:53	D	31.30
430	HOSHANGABAD	SOHAGPUR	npp	22.80950	78.24070	4/9/2022	02:12:53	N	1.40
431	HOSHANGABAD	SOHAGPUR	npp	22.80950	78.29130	4/9/2022	13:22:53	D	88.00
432	HOSHANGABAD	SOHAGPUR	npp	22.81010	78.29500	4/9/2022	13:22:53	D	10.30
433	HOSHANGABAD	SOHAGPUR	npp	22.81190	78.15470	4/9/2022	13:22:53	D	11.60
434	HOSHANGABAD	SOHAGPUR	npp	22.81190	78.30630	4/9/2022	13:22:53	D	20.50
435	HOSHANGABAD	SOHAGPUR	npp	22.81230	78.24600	4/9/2022	02:12:53	N	1.40
436	HOSHANGABAD	SOHAGPUR	npp	22.81240	78.16170	4/9/2022	02:12:53	N	2.40
437	HOSHANGABAD	SOHAGPUR	npp	22.81280	78.29060	4/9/2022	13:22:53	D	88.00
438	HOSHANGABAD	SOHAGPUR	npp	22.81320	78.24150	4/9/2022	02:12:53	N	1.40
439	HOSHANGABAD	SOHAGPUR	npp	22.81340	78.29440	4/9/2022	13:22:53	D	10.30
440	HOSHANGABAD	SOHAGPUR	npp	22.81400	78.29820	4/9/2022	13:22:53	D	10.30
441	HOSHANGABAD	SOHAGPUR	npp	22.81550	78.31280	4/9/2022	02:12:53	N	0.50
442	HOSHANGABAD	SOHAGPUR	npp	22.81620	78.29000	4/9/2022	13:22:53	D	37.10
443	HOSHANGABAD	SOHAGPUR	npp	22.81640	78.18120	4/9/2022	02:12:53	N	0.50
444	HOSHANGABAD	SOHAGPUR	npp	22.81710	78.27440	4/9/2022	13:22:53	D	9.40
445	HOSHANGABAD	SOHAGPUR	npp	22.81730	78.29760	4/9/2022	13:22:53	D	9.40
446	HOSHANGABAD	SOHAGPUR	npp	22.81920	78.22860	4/9/2022	02:12:53	N	1.00
447	HOSHANGABAD	SOHAGPUR	npp	22.81950	78.28940	4/9/2022	13:22:53	D	37.10
448	HOSHANGABAD	SOHAGPUR	npp	22.81970	78.31270	4/9/2022	13:22:53	D	6.90
449	HOSHANGABAD	SOHAGPUR	npp	22.81980	78.27000	4/9/2022	13:22:53	D	19.70
450	HOSHANGABAD	SOHAGPUR	npp	22.82040	78.27370	4/9/2022	13:22:53	D	19.70
451	HOSHANGABAD	SOHAGPUR	npp	22.82070	78.29700	4/9/2022	13:22:53	D	9.40
452	HOSHANGABAD	SOHAGPUR	npp	22.82130	78.30070	4/9/2022	13:22:53	D	5.80
453	HOSHANGABAD	SOHAGPUR	npp	22.82150	78.21530	4/9/2022	13:22:53	D	21.10
454	HOSHANGABAD	SOHAGPUR	npp	22.82160	78.28130	4/9/2022	13:22:53	D	28.90
455	HOSHANGABAD	SOHAGPUR	npp	22.82210	78.21900	4/9/2022	13:22:53	D	21.10
456	HOSHANGABAD	SOHAGPUR	npp	22.82220	78.28510	4/9/2022	13:22:53	D	60.30
457	HOSHANGABAD	SOHAGPUR	npp	22.82250	78.26560	4/9/2022	13:22:53	D	27.00
458	HOSHANGABAD	SOHAGPUR	npp	22.82280	78.18720	4/9/2022	02:12:53	N	1.40

459	HOSHANGABAD	SOHAGPUR	npp	22.82280	78.28880	4/9/2022	13:22:53	D	60.30
460	HOSHANGABAD	SOHAGPUR	npp	22.82300	78.31200	4/9/2022	13:22:53	D	6.90
461	HOSHANGABAD	SOHAGPUR	npp	22.82310	78.26930	4/9/2022	13:22:53	D	19.70
462	HOSHANGABAD	SOHAGPUR	npp	22.82360	78.31580	4/9/2022	13:22:53	D	5.60
463	HOSHANGABAD	SOHAGPUR	npp	22.82370	78.27310	4/9/2022	13:22:53	D	19.70
464	HOSHANGABAD	SOHAGPUR	npp	22.82480	78.21470	4/9/2022	13:22:53	D	19.10
465	HOSHANGABAD	SOHAGPUR	npp	22.82490	78.28070	4/9/2022	13:22:53	D	28.90
466	HOSHANGABAD	SOHAGPUR	npp	22.82530	78.26120	4/9/2022	13:22:53	D	13.20
467	HOSHANGABAD	SOHAGPUR	npp	22.82550	78.28440	4/9/2022	13:22:53	D	60.30
468	HOSHANGABAD	SOHAGPUR	npp	22.82590	78.26500	4/9/2022	13:22:53	D	13.20
469	HOSHANGABAD	SOHAGPUR	npp	22.82650	78.26880	4/9/2022	13:22:53	D	9.30
470	HOSHANGABAD	SOHAGPUR	npp	22.82660	78.22600	4/9/2022	13:22:53	D	26.80
471	HOSHANGABAD	SOHAGPUR	npp	22.82770	78.27630	4/9/2022	13:22:53	D	7.10
472	HOSHANGABAD	SOHAGPUR	npp	22.82800	78.25680	4/9/2022	13:22:53	D	17.10
473	HOSHANGABAD	SOHAGPUR	npp	22.82860	78.26060	4/9/2022	13:22:53	D	13.20
474	HOSHANGABAD	SOHAGPUR	npp	22.82880	78.28380	4/9/2022	13:22:53	D	27.80
475	HOSHANGABAD	SOHAGPUR	npp	22.82920	78.26440	4/9/2022	13:22:53	D	13.20
476	HOSHANGABAD	SOHAGPUR	npp	22.82930	78.22160	4/9/2022	13:22:53	D	26.80
477	HOSHANGABAD	SOHAGPUR	npp	22.82950	78.24490	4/9/2022	13:22:53	D	7.50
478	HOSHANGABAD	SOHAGPUR	npp	22.83020	78.24860	4/9/2022	13:22:53	D	7.50
479	HOSHANGABAD	SOHAGPUR	npp	22.83080	78.18420	4/9/2022	02:12:53	N	1.80
480	HOSHANGABAD	SOHAGPUR	npp	22.83160	78.17970	4/9/2022	02:12:53	N	1.80
481	HOSHANGABAD	SOHAGPUR	npp	22.83230	78.24050	4/9/2022	13:22:53	D	6.40
482	HOSHANGABAD	SOHAGPUR	npp	22.83250	78.26370	4/9/2022	13:22:53	D	23.50
483	HOSHANGABAD	SOHAGPUR	npp	22.83290	78.24430	4/9/2022	13:22:53	D	7.50
484	HOSHANGABAD	SOHAGPUR	npp	22.83350	78.21120	4/9/2022	02:12:53	N	1.50
485	HOSHANGABAD	SOHAGPUR	npp	22.83350	78.24800	4/9/2022	13:22:53	D	7.50
486	HOSHANGABAD	SOHAGPUR	npp	22.83400	78.20830	4/9/2022	02:12:53	N	2.10
487	HOSHANGABAD	SOHAGPUR	npp	22.83440	78.18500	4/9/2022	02:12:53	N	3.30
488	HOSHANGABAD	SOHAGPUR	npp	22.83470	78.25560	4/9/2022	13:22:53	D	36.00
489	HOSHANGABAD	SOHAGPUR	npp	22.83480	78.20380	4/9/2022	02:12:53	N	1.80
490	HOSHANGABAD	SOHAGPUR	npp	22.83510	78.20220	4/9/2022	02:12:53	N	1.30
491	HOSHANGABAD	SOHAGPUR	npp	22.83520	78.18050	4/9/2022	02:12:53	N	3.30

492	HOSHANGABAD	SOHAGPUR	npp	22.83530	78.25940	4/9/2022	13:22:53	D	23.50
493	HOSHANGABAD	SOHAGPUR	npp	22.83560	78.23990	4/9/2022	13:22:53	D	8.40
494	HOSHANGABAD	SOHAGPUR	npp	22.83580	78.30110	4/9/2022	02:12:53	N	0.60
495	HOSHANGABAD	SOHAGPUR	npp	22.83720	78.27300	4/9/2022	02:12:53	N	1.20
496	HOSHANGABAD	SOHAGPUR	npp	22.83800	78.26850	4/9/2022	02:12:53	N	2.30
497	HOSHANGABAD	SOHAGPUR	npp	22.83840	78.20450	4/9/2022	02:12:53	N	1.10
498	HOSHANGABAD	SOHAGPUR	npp	22.83870	78.20290	4/9/2022	02:12:53	N	1.30
499	HOSHANGABAD	SOHAGPUR	npp	22.83920	78.20000	4/9/2022	02:12:53	N	1.10
500	HOSHANGABAD	SOHAGPUR	npp	22.83940	78.28580	4/9/2022	13:22:53	D	7.80
501	HOSHANGABAD	SOHAGPUR	npp	22.83950	78.19840	4/9/2022	02:12:53	N	1.30
502	HOSHANGABAD	SOHAGPUR	npp	22.84000	78.28950	4/9/2022	13:22:53	D	46.40
503	HOSHANGABAD	SOHAGPUR	npp	22.84160	78.26930	4/9/2022	02:12:53	N	2.30
504	HOSHANGABAD	SOHAGPUR	npp	22.84200	78.20530	4/9/2022	02:12:53	N	1.10
505	HOSHANGABAD	SOHAGPUR	npp	22.84210	78.17250	4/9/2022	13:22:53	D	9.40
506	HOSHANGABAD	SOHAGPUR	npp	22.84230	78.20370	4/9/2022	02:12:53	N	0.70
507	HOSHANGABAD	SOHAGPUR	npp	22.84250	78.26190	4/9/2022	13:22:53	D	5.90
508	HOSHANGABAD	SOHAGPUR	npp	22.84310	78.26570	4/9/2022	13:22:53	D	10.30
509	HOSHANGABAD	SOHAGPUR	npp	22.84440	78.27460	4/9/2022	02:12:53	N	0.70
510	HOSHANGABAD	SOHAGPUR	npp	22.84600	78.17570	4/9/2022	13:22:53	D	7.90
511	HOSHANGABAD	SOHAGPUR	npp	22.84640	78.26510	4/9/2022	13:22:53	D	14.90
512	HOSHANGABAD	SOHAGPUR	npp	22.84660	78.17950	4/9/2022	13:22:53	D	6.80
513	HOSHANGABAD	SOHAGPUR	npp	22.84860	78.25690	4/9/2022	13:22:53	D	16.80
514	HOSHANGABAD	SOHAGPUR	npp	22.84910	78.26070	4/9/2022	13:22:53	D	16.80
515	HOSHANGABAD	SOHAGPUR	npp	22.85020	78.20220	4/9/2022	13:22:53	D	8.70
516	HOSHANGABAD	SOHAGPUR	npp	22.85060	78.18270	4/9/2022	13:22:53	D	6.80
517	HOSHANGABAD	SOHAGPUR	npp	22.85080	78.20600	4/9/2022	13:22:53	D	8.70
518	HOSHANGABAD	SOHAGPUR	npp	22.85120	78.18650	4/9/2022	13:22:53	D	6.50
519	HOSHANGABAD	SOHAGPUR	npp	22.85130	78.25250	4/9/2022	13:22:53	D	6.50
520	HOSHANGABAD	SOHAGPUR	npp	22.85290	78.19780	4/9/2022	13:22:53	D	13.00
521	HOSHANGABAD	SOHAGPUR	npp	22.85350	78.20160	4/9/2022	13:22:53	D	8.70
522	HOSHANGABAD	SOHAGPUR	npp	22.85380	78.22490	4/9/2022	13:22:53	D	7.70
523	HOSHANGABAD	SOHAGPUR	npp	22.85400	78.24820	4/9/2022	13:22:53	D	6.50
524	HOSHANGABAD	SOHAGPUR	npp	22.85410	78.20540	4/9/2022	13:22:53	D	8.70

525	HOSHANGABAD	SOHAGPUR	npp	22.85440	78.22870	4/9/2022	13:22:53	D	7.70
526	HOSHANGABAD	SOHAGPUR	npp	22.85460	78.25190	4/9/2022	13:22:53	D	6.50
527	HOSHANGABAD	SOHAGPUR	npp	22.85470	78.20920	4/9/2022	13:22:53	D	9.50
528	HOSHANGABAD	SOHAGPUR	npp	22.85480	78.27520	4/9/2022	13:22:53	D	5.00
529	HOSHANGABAD	SOHAGPUR	npp	22.85650	78.22050	4/9/2022	13:22:53	D	5.70
530	HOSHANGABAD	SOHAGPUR	npp	22.85690	78.20100	4/9/2022	13:22:53	D	12.00
531	HOSHANGABAD	SOHAGPUR	npp	22.85710	78.22430	4/9/2022	13:22:53	D	7.70
532	HOSHANGABAD	SOHAGPUR	npp	22.85770	78.22810	4/9/2022	13:22:53	D	7.70
533	HOSHANGABAD	SOHAGPUR	Terra	22.70200	78.08700	4/9/2022	10:27:41	D	29.20
534	HOSHANGABAD	SOHAGPUR	Terra	22.70600	78.09300	4/9/2022	10:27:41	D	45.60
535	HOSHANGABAD	SOHAGPUR	Terra	22.72900	78.22700	4/9/2022	10:27:41	D	19.80
536	HOSHANGABAD	SOHAGPUR	Terra	22.76300	78.12500	4/9/2022	23:01:33	N	27.00
537	HOSHANGABAD	SOHAGPUR	Terra	22.76300	78.24900	4/9/2022	10:27:41	D	19.30
538	HOSHANGABAD	SOHAGPUR	Terra	22.82000	78.22600	4/9/2022	10:27:41	D	19.10
539	HOSHANGABAD	SOHAGPUR	Terra	22.82400	78.30100	4/9/2022	10:27:41	D	59.40
540	HOSHANGABAD	SOHAGPUR	Terra	22.83200	78.22700	4/9/2022	10:27:41	D	26.10
541	HOSHANGABAD	SOHAGPUR	Terra	22.83400	78.20900	4/9/2022	10:27:41	D	57.40
542	HOSHANGABAD	SOHAGPUR	Terra	22.83600	78.19100	4/9/2022	10:27:41	D	96.60
543	HOSHANGABAD	SOHAGPUR	Terra	22.83600	78.30200	4/9/2022	10:27:41	D	51.00
544	HOSHANGABAD	SOHAGPUR	Terra	22.83800	78.17200	4/9/2022	10:27:41	D	25.20
545	HOSHANGABAD	SOHAGPUR	Terra	22.83800	78.28400	4/9/2022	10:27:41	D	100.50
546	HOSHANGABAD	SOHAGPUR	Terra	22.84000	78.26600	4/9/2022	10:27:41	D	67.50
547	HOSHANGABAD	SOHAGPUR	Terra	22.84200	78.24700	4/9/2022	10:27:41	D	148.20
548	HOSHANGABAD	SOHAGPUR	Terra	22.84400	78.22900	4/9/2022	10:27:41	D	82.00
549	HOSHANGABAD	SOHAGPUR	Terra	22.84600	78.21100	4/9/2022	10:27:41	D	197.20
550	HOSHANGABAD	SOHAGPUR	Terra	22.84800	78.19200	4/9/2022	10:27:41	D	37.80
551	INDORE	DEPALPUR	Terra	22.78000	75.51600	4/9/2022	23:01:33	N	13.10
552	INDORE	INDORE	npp	22.61010	76.03110	4/9/2022	02:12:53	N	0.30
553	INDORE	INDORE	npp	22.67840	75.98470	4/9/2022	02:12:53	N	0.90
554	INDORE	SANWER	npp	22.80810	75.82470	4/9/2022	02:12:53	N	1.00
555	INDORE	SANWER	npp	22.80870	75.82090	4/9/2022	02:12:53	N	0.60
556	INDORE	SANWER	npp	22.81140	75.82540	4/9/2022	02:12:53	N	1.00
557	INDORE	SANWER	npp	22.94330	75.69650	4/9/2022	02:12:53	N	0.40

558	INDORE	SANWER	npp	22.96700	75.74000	4/9/2022	02:12:53	N	2.60
559	INDORE	SANWER	npp	22.96760	75.73630	4/9/2022	02:12:53	N	2.60
560	INDORE	SANWER	npp	22.99180	75.88190	4/9/2022	02:12:53	N	5.80
561	INDORE	SANWER	Terra	22.89600	75.77600	4/9/2022	23:01:33	N	17.40
562	INDORE	SANWER	Terra	22.90900	75.77500	4/9/2022	23:01:33	N	27.80
563	JABALPUR	JABALPUR	npp	23.21120	80.08850	4/9/2022	02:12:53	N	0.80
564	JABALPUR	JABALPUR	npp	23.22860	79.95370	4/9/2022	02:12:53	N	2.60
565	JABALPUR	JABALPUR	npp	23.23350	80.10130	4/9/2022	02:12:53	N	0.50
566	JABALPUR	JABALPUR	npp	23.26400	79.96170	4/9/2022	02:12:53	N	1.10
567	JABALPUR	JABALPUR	npp	23.26700	79.94530	4/9/2022	02:12:53	N	0.70
568	JABALPUR	JABALPUR	npp	23.26910	79.93440	4/9/2022	02:12:53	N	3.90
569	JABALPUR	JABALPUR	npp	23.27180	79.93640	4/9/2022	02:12:53	N	3.90
570	JABALPUR	JABALPUR	npp	23.27300	79.93530	4/9/2022	02:12:53	N	3.90
571	JABALPUR	JABALPUR	npp	23.27570	79.93730	4/9/2022	02:12:53	N	3.90
572	JABALPUR	JABALPUR	npp	23.27690	79.93620	4/9/2022	02:12:53	N	0.90
573	JABALPUR	JABALPUR	npp	23.34110	80.03590	4/9/2022	13:22:53	D	4.60
574	JABALPUR	MAJHOULI	npp	23.38810	79.98150	4/9/2022	02:12:53	N	1.10
575	JABALPUR	MAJHOULI	npp	23.39020	79.98010	4/9/2022	02:12:53	N	1.60
576	JABALPUR	MAJHOULI	npp	23.45090	79.88820	4/9/2022	02:12:53	N	0.50
577	JABALPUR	MAJHOULI	npp	23.45710	79.96300	4/9/2022	02:12:53	N	0.60
578	JABALPUR	MAJHOULI	npp	23.51230	80.16020	4/9/2022	02:12:53	N	0.70
579	JABALPUR	MAJHOULI	npp	23.54410	79.97260	4/9/2022	02:12:53	N	0.90
580	JABALPUR	MAJHOULI	npp	23.57550	79.95700	4/9/2022	02:12:53	N	0.80
581	JABALPUR	PATAN	npp	23.32180	79.84610	4/9/2022	02:12:53	N	1.10
582	JABALPUR	SIHORA	npp	23.35380	80.08640	4/9/2022	02:12:53	N	2.50
583	JABALPUR	SIHORA	npp	23.35500	80.08860	4/9/2022	02:12:53	N	2.60
584	JABALPUR	SIHORA	npp	23.38080	80.08290	4/9/2022	02:12:53	N	4.50
585	JABALPUR	SIHORA	npp	23.38320	80.17720	4/9/2022	02:12:53	N	0.40
586	JABALPUR	SIHORA	npp	23.38660	80.09570	4/9/2022	02:12:53	N	0.40
587	JABALPUR	SIHORA	npp	23.40080	80.15020	4/9/2022	02:12:53	N	0.60
588	JABALPUR	SIHORA	npp	23.41060	80.16400	4/9/2022	02:12:53	N	1.60
589	JABALPUR	SIHORA	npp	23.42300	80.22920	4/9/2022	02:12:53	N	0.50
590	JABALPUR	SIHORA	npp	23.43960	80.22910	4/9/2022	02:12:53	N	0.70

591	JABALPUR	SIHORA	npp	23.44110	80.22870	4/9/2022	02:12:53	N	0.60
592	JABALPUR	SIHORA	npp	23.45570	80.09990	4/9/2022	02:12:53	N	0.80
593	JABALPUR	SIHORA	npp	23.45700	80.07140	4/9/2022	02:12:53	N	2.40
594	JABALPUR	SIHORA	npp	23.46390	80.17540	4/9/2022	02:12:53	N	1.10
595	JABALPUR	SIHORA	npp	23.46530	80.21070	4/9/2022	02:12:53	N	1.60
596	KATNI	BIJERAGHOGARH	npp	24.01910	80.57520	4/9/2022	02:12:53	N	6.10
597	KATNI	DHIMERKHEDA	npp	23.38540	80.29530	4/9/2022	02:12:53	N	1.10
598	KATNI	DHIMERKHEDA	npp	23.41050	80.31690	4/9/2022	02:12:53	N	0.20
599	KATNI	DHIMERKHEDA	npp	23.41450	80.31780	4/9/2022	02:12:53	N	0.70
600	KATNI	DHIMERKHEDA	npp	23.43800	80.28680	4/9/2022	02:12:53	N	0.50
601	KATNI	DHIMERKHEDA	npp	23.51120	80.25240	4/9/2022	02:12:53	N	0.70
602	KATNI	DHIMERKHEDA	npp	23.51190	80.24860	4/9/2022	02:12:53	N	0.70
603	MANDSAUR	SITAMAU	npp	24.11870	75.41260	4/9/2022	02:12:53	N	1.10
604	PANNA	AJAIGARH	npp	24.93650	80.38070	4/9/2022	02:12:53	N	2.90
605	PANNA	AJAIGARH	npp	24.93720	80.37970	4/9/2022	02:12:53	N	2.50
606	PANNA	AJAIGARH	npp	24.94040	80.38160	4/9/2022	02:12:53	N	3.20
607	PANNA	AJAIGARH	npp	24.94110	80.38070	4/9/2022	02:12:53	N	2.50
608	PANNA	AJAIGARH	npp	24.94140	80.37640	4/9/2022	02:12:53	N	1.90
609	RAISEN	BAGAMGANJ	npp	23.59420	78.30380	4/9/2022	02:12:53	N	0.60
610	RAISEN	BAGAMGANJ	npp	23.61030	78.35860	4/9/2022	02:12:53	N	1.40
611	RAISEN	BAGAMGANJ	npp	23.68020	78.36410	4/9/2022	02:12:53	N	0.20
612	RAISEN	BAGAMGANJ	npp	23.68020	78.36700	4/9/2022	02:12:53	N	0.30
613	RAISEN	BAGAMGANJ	Terra	23.53200	78.25200	4/9/2022	10:27:41	D	36.20
614	RAISEN	BARELI	npp	22.82080	78.09370	4/9/2022	02:12:53	N	1.90
615	RAISEN	BARELI	npp	22.82200	78.11000	4/9/2022	13:22:53	D	83.70
616	RAISEN	BARELI	npp	22.82440	78.09450	4/9/2022	02:12:53	N	1.90
617	RAISEN	BARELI	npp	22.82590	78.11320	4/9/2022	13:22:53	D	53.40
618	RAISEN	BARELI	npp	22.82860	78.10870	4/9/2022	13:22:53	D	28.60
619	RAISEN	BARELI	npp	22.83860	78.05580	4/9/2022	02:12:53	N	2.00
620	RAISEN	BARELI	npp	22.84220	78.05660	4/9/2022	02:12:53	N	4.20
621	RAISEN	BARELI	npp	22.84300	78.05210	4/9/2022	02:12:53	N	4.20
622	RAISEN	BARELI	npp	22.84380	78.04770	4/9/2022	02:12:53	N	1.50
623	RAISEN	BARELI	npp	22.84460	78.04330	4/9/2022	02:12:53	N	1.50

624	RAISEN	BARELI	npp	22.85590	78.06460	4/9/2022	13:22:53	D	3.90
625	RAISEN	BARELI	npp	22.87000	78.13230	4/9/2022	13:22:53	D	9.60
626	RAISEN	BARELI	npp	22.87060	78.13610	4/9/2022	13:22:53	D	12.20
627	RAISEN	BARELI	npp	22.87250	78.13560	4/9/2022	13:22:53	D	11.80
628	RAISEN	BARELI	npp	22.87580	78.12210	4/9/2022	02:12:53	N	0.40
629	RAISEN	BARELI	npp	22.87660	78.11770	4/9/2022	02:12:53	N	1.30
630	RAISEN	BARELI	npp	22.88610	78.11360	4/9/2022	13:22:53	D	33.70
631	RAISEN	BARELI	npp	22.89040	78.09720	4/9/2022	13:22:53	D	14.00
632	RAISEN	BARELI	npp	22.89090	78.10100	4/9/2022	13:22:53	D	26.80
633	RAISEN	BARELI	npp	22.89760	78.09980	4/9/2022	13:22:53	D	6.50
634	RAISEN	BARELI	npp	22.91440	78.17670	4/9/2022	02:12:53	N	1.30
635	RAISEN	BARELI	npp	22.91720	78.18190	4/9/2022	02:12:53	N	1.30
636	RAISEN	BARELI	npp	22.91800	78.17740	4/9/2022	02:12:53	N	1.30
637	RAISEN	BARELI	npp	22.92080	78.09910	4/9/2022	02:12:53	N	0.90
638	RAISEN	BARELI	npp	22.92440	78.09980	4/9/2022	02:12:53	N	0.90
639	RAISEN	BARELI	npp	22.92690	78.17620	4/9/2022	13:22:53	D	43.60
640	RAISEN	BARELI	npp	22.92720	78.15670	4/9/2022	13:22:53	D	24.30
641	RAISEN	BARELI	npp	22.92780	78.16050	4/9/2022	13:22:53	D	24.30
642	RAISEN	BARELI	npp	22.92800	78.10060	4/9/2022	02:12:53	N	7.80
643	RAISEN	BARELI	npp	22.92960	78.17190	4/9/2022	13:22:53	D	43.60
644	RAISEN	BARELI	npp	22.93020	78.17560	4/9/2022	13:22:53	D	43.60
645	RAISEN	BARELI	npp	22.93040	78.21280	4/9/2022	02:12:53	N	0.60
646	RAISEN	BARELI	npp	22.93080	78.23160	4/9/2022	02:12:53	N	0.50
647	RAISEN	BARELI	npp	22.93320	78.21800	4/9/2022	02:12:53	N	0.70
648	RAISEN	BARELI	npp	22.93350	78.17500	4/9/2022	13:22:53	D	15.90
649	RAISEN	BARELI	npp	22.93400	78.21350	4/9/2022	02:12:53	N	0.60
650	RAISEN	BARELI	npp	22.93720	78.23760	4/9/2022	02:12:53	N	2.30
651	RAISEN	BARELI	npp	22.93810	78.23550	4/9/2022	02:12:53	N	2.40
652	RAISEN	BARELI	npp	22.93830	78.08420	4/9/2022	02:12:53	N	3.10
653	RAISEN	BARELI	npp	22.93910	78.07980	4/9/2022	02:12:53	N	3.10
654	RAISEN	BARELI	npp	22.94000	78.20080	4/9/2022	02:12:53	N	0.80
655	RAISEN	BARELI	npp	22.94080	78.23840	4/9/2022	02:12:53	N	1.10
656	RAISEN	BARELI	npp	22.94170	78.23380	4/9/2022	02:12:53	N	1.50

657	RAISEN	BARELI	npp	22.94170	78.23630	4/9/2022	02:12:53	N	2.40
658	RAISEN	BARELI	npp	22.94520	78.23460	4/9/2022	02:12:53	N	1.50
659	RAISEN	BARELI	npp	22.94610	78.23010	4/9/2022	02:12:53	N	1.50
660	RAISEN	BARELI	npp	22.94610	78.23250	4/9/2022	02:12:53	N	4.30
661	RAISEN	BARELI	npp	22.99230	78.16290	4/9/2022	02:12:53	N	1.10
662	RAISEN	BARELI	npp	22.99830	78.15020	4/9/2022	02:12:53	N	2.40
663	RAISEN	BARELI	npp	23.00190	78.15090	4/9/2022	02:12:53	N	2.40
664	RAISEN	BARELI	npp	23.00320	78.08180	4/9/2022	02:12:53	N	0.50
665	RAISEN	BARELI	npp	23.00400	78.07740	4/9/2022	02:12:53	N	1.10
666	RAISEN	BARELI	npp	23.03260	78.20860	4/9/2022	02:12:53	N	0.70
667	RAISEN	BARELI	npp	23.04560	78.24160	4/9/2022	02:12:53	N	1.60
668	RAISEN	BARELI	npp	23.04580	78.23940	4/9/2022	02:12:53	N	1.80
669	RAISEN	BARELI	npp	23.04920	78.24230	4/9/2022	02:12:53	N	1.60
670	RAISEN	BARELI	npp	23.04940	78.24010	4/9/2022	02:12:53	N	1.40
671	RAISEN	BARELI	npp	23.11580	77.99750	4/9/2022	02:12:53	N	3.60
672	RAISEN	BARELI	npp	23.11940	77.99830	4/9/2022	02:12:53	N	1.00
673	RAISEN	BARELI	Terra	22.81900	78.11300	4/9/2022	10:27:41	D	24.60
674	RAISEN	BARELI	Terra	22.82100	78.09500	4/9/2022	10:27:41	D	34.30
675	RAISEN	BARELI	Terra	22.88000	78.12100	4/9/2022	10:27:41	D	19.80
676	RAISEN	BARELI	Terra	22.94500	78.24700	4/9/2022	10:27:41	D	22.50
677	RAISEN	BARELI	Terra	22.96100	78.14300	4/9/2022	10:27:41	D	24.90
678	RAISEN	BARELI	Terra	22.97400	78.12400	4/9/2022	23:01:33	N	21.00
679	RAISEN	GAIRATGANJ	npp	23.29210	78.01360	4/9/2022	02:12:53	N	2.10
680	RAISEN	GAIRATGANJ	npp	23.29570	78.01440	4/9/2022	02:12:53	N	2.10
681	RAISEN	GAIRATGANJ	npp	23.35890	78.05760	4/9/2022	13:22:53	D	15.70
682	RAISEN	GAIRATGANJ	npp	23.40040	78.21160	4/9/2022	02:12:53	N	0.20
683	RAISEN	GAIRATGANJ	npp	23.40970	78.09850	4/9/2022	02:12:53	N	1.80
684	RAISEN	GAIRATGANJ	npp	23.44220	78.16490	4/9/2022	02:12:53	N	1.50
685	RAISEN	GAIRATGANJ	npp	23.44500	78.17010	4/9/2022	02:12:53	N	2.60
686	RAISEN	GAIRATGANJ	npp	23.44580	78.16560	4/9/2022	02:12:53	N	2.60
687	RAISEN	GAIRATGANJ	npp	23.46600	78.23930	4/9/2022	02:12:53	N	0.60
688	RAISEN	GOHARGANJ	npp	23.08650	77.96630	4/9/2022	02:12:53	N	5.40
689	RAISEN	GOHARGANJ	npp	23.08930	77.97150	4/9/2022	02:12:53	N	1.90

690	RAISEN	GOHARGANJ	npp	23.09010	77.96710	4/9/2022	02:12:53	N	6.00
691	RAISEN	GOHARGANJ	npp	23.09560	77.96600	4/9/2022	02:12:53	N	1.50
692	RAISEN	GOHARGANJ	npp	23.09670	77.95030	4/9/2022	02:12:53	N	0.70
693	RAISEN	GOHARGANJ	npp	23.09720	77.96860	4/9/2022	02:12:53	N	4.10
694	RAISEN	GOHARGANJ	npp	23.09800	77.95290	4/9/2022	02:12:53	N	0.30
695	RAISEN	GOHARGANJ	npp	23.09920	77.96680	4/9/2022	02:12:53	N	1.50
696	RAISEN	GOHARGANJ	npp	23.10790	77.95950	4/9/2022	02:12:53	N	0.70
697	RAISEN	GOHARGANJ	npp	23.12290	77.95810	4/9/2022	02:12:53	N	1.80
698	RAISEN	GOHARGANJ	npp	23.18100	77.65220	4/9/2022	02:12:53	N	1.20
699	RAISEN	GOHARGANJ	npp	23.18450	77.65290	4/9/2022	02:12:53	N	1.20
700	RAISEN	RAISEN	npp	23.32770	77.83160	4/9/2022	02:12:53	N	0.40
701	RAISEN	RAISEN	npp	23.33120	77.83230	4/9/2022	02:12:53	N	4.00
702	RAISEN	SILVANI	npp	23.21600	78.27490	4/9/2022	02:12:53	N	0.60
703	RAISEN	UDAIPURA	npp	23.05540	78.45650	4/9/2022	02:12:53	N	1.00
704	RAISEN	UDAIPURA	npp	23.06630	78.45880	4/9/2022	02:12:53	N	0.80
705	RAISEN	UDAIPURA	Terra	23.07000	78.44000	4/9/2022	10:27:41	D	24.70
706	RAJGARH	NARSINGHGAR	npp	23.52480	76.96780	4/9/2022	02:12:53	N	0.50
707	RATLAM	BAJNA	npp	23.30580	74.57210	4/9/2022	02:12:53	N	0.60
708	RATLAM	BAJNA	npp	23.44580	74.62770	4/9/2022	02:12:53	N	1.60
709	RATLAM	RATLAM	npp	23.22020	75.27580	4/9/2022	13:22:53	D	12.20
710	SAGAR	BINA	npp	24.12250	78.17770	4/9/2022	02:12:53	N	1.50
711	SAGAR	BINA	npp	24.33490	78.26960	4/9/2022	02:12:53	N	0.70
712	SAGAR	BINA	npp	24.33610	78.28360	4/9/2022	02:12:53	N	0.30
713	SAGAR	BINA	npp	24.33690	78.27920	4/9/2022	02:12:53	N	1.20
714	SAGAR	BINA	npp	24.34040	78.28000	4/9/2022	02:12:53	N	1.10
715	SAGAR	BINA	npp	24.34120	78.27550	4/9/2022	02:12:53	N	1.10
716	SAGAR	BINA	npp	24.34400	78.28070	4/9/2022	02:12:53	N	1.10
717	SAGAR	KHURAI	npp	23.98360	78.40840	4/9/2022	02:12:53	N	2.70
718	SAGAR	KHURAI	npp	23.98440	78.40390	4/9/2022	02:12:53	N	2.40
719	SAGAR	KHURAI	npp	24.10460	78.32050	4/9/2022	02:12:53	N	0.60
720	SAGAR	KHURAI	npp	24.14300	78.30660	4/9/2022	13:22:53	D	4.40
721	SAGAR	RAHAT GARH	npp	23.64060	78.39780	4/9/2022	02:12:53	N	0.60
722	SAGAR	RAHAT GARH	npp	23.64420	78.39850	4/9/2022	02:12:53	N	1.00

723	SAGAR	RAHAT GARH	npp	23.70640	78.28420	4/9/2022	02:12:53	N	0.80
724	SAGAR	RAHAT GARH	npp	23.71000	78.28500	4/9/2022	02:12:53	N	0.80
725	SAGAR	RAHAT GARH	npp	23.80930	78.35970	4/9/2022	02:12:53	N	0.40
726	SAGAR	RAHAT GARH	npp	23.88980	78.51480	4/9/2022	02:12:53	N	1.00
727	SAGAR	RAHAT GARH	Terra	23.78600	78.32000	4/9/2022	10:27:41	D	23.80
728	SAGAR	SAGAR	npp	23.59120	78.81990	4/9/2022	02:12:53	N	0.80
729	SAGAR	SAGAR	npp	23.59330	78.81810	4/9/2022	02:12:53	N	0.80
730	SAGAR	SAGAR	npp	23.87410	78.91620	4/9/2022	13:22:53	D	20.80
731	SATNA	MAIHAR	npp	24.16800	80.69670	4/9/2022	02:12:53	N	1.10
732	SATNA	MAJHG>WAN	npp	24.88270	80.76060	4/9/2022	13:22:53	D	14.20
733	SATNA	MAJHG>WAN	npp	25.11860	80.86390	4/9/2022	13:22:53	D	15.70
734	SATNA	R>MPURBAGHLEAN	npp	24.53400	81.03560	4/9/2022	13:22:53	D	5.20
735	SEHORE	AASHTA	npp	22.88650	76.70190	4/9/2022	02:12:53	N	0.50
736	SEHORE	AASHTA	npp	23.06110	76.62490	4/9/2022	02:12:53	N	0.30
737	SEHORE	BUDHNI	npp	22.68180	77.46230	4/9/2022	02:12:53	N	0.60
738	SEHORE	BUDHNI	npp	22.71290	77.51240	4/9/2022	02:12:53	N	1.10
739	SEHORE	BUDHNI	npp	22.74900	77.61060	4/9/2022	13:22:53	D	10.30
740	SEHORE	BUDHNI	npp	22.82450	77.94750	4/9/2022	02:12:53	N	1.10
741	SEHORE	BUDHNI	npp	22.82690	77.93430	4/9/2022	02:12:53	N	1.00
742	SEHORE	BUDHNI	npp	22.82970	77.93940	4/9/2022	02:12:53	N	1.60
743	SEHORE	BUDHNI	npp	22.83420	77.87220	4/9/2022	02:12:53	N	1.50
744	SEHORE	BUDHNI	npp	22.85460	78.00210	4/9/2022	13:22:53	D	14.10
745	SEHORE	BUDHNI	npp	22.85750	77.99090	4/9/2022	02:12:53	N	1.60
746	SEHORE	BUDHNI	npp	22.85880	78.00490	4/9/2022	02:12:53	N	1.20
747	SEHORE	BUDHNI	npp	22.85910	77.98200	4/9/2022	02:12:53	N	2.10
748	SEHORE	BUDHNI	npp	22.86650	77.96070	4/9/2022	02:12:53	N	0.30
749	SEHORE	BUDHNI	npp	22.87820	77.83160	4/9/2022	02:12:53	N	4.30
750	SEHORE	BUDHNI	npp	22.88190	77.94420	4/9/2022	02:12:53	N	1.70
751	SEHORE	BUDHNI	npp	22.88460	77.94170	4/9/2022	02:12:53	N	3.00
752	SEHORE	BUDHNI	npp	22.88540	77.93730	4/9/2022	02:12:53	N	2.30
753	SEHORE	BUDHNI	npp	22.88580	78.00440	4/9/2022	02:12:53	N	0.40
754	SEHORE	BUDHNI	npp	22.88620	77.94050	4/9/2022	02:12:53	N	1.70
755	SEHORE	BUDHNI	npp	22.88700	77.93620	4/9/2022	02:12:53	N	1.20

756	SEHORE	BUDHNI	npp	22.88780	77.93180	4/9/2022	02:12:53	N	1.20
757	SEHORE	BUDHNI	npp	22.88970	77.93360	4/9/2022	02:12:53	N	2.30
758	SEHORE	BUDHNI	npp	22.89140	77.93250	4/9/2022	02:12:53	N	1.90
759	SEHORE	ICHHAWAR	npp	23.00790	77.05210	4/9/2022	13:22:53	D	2.80
760	SEHORE	NASRULLAHGANJ	npp	22.72430	77.17740	4/9/2022	02:12:53	N	0.40
761	SEHORE	NASRULLAHGANJ	npp	22.73470	77.30380	4/9/2022	02:12:53	N	7.40
762	SEHORE	SEHORE	npp	23.17650	77.09750	4/9/2022	02:12:53	N	1.30
763	SEHORE	SEHORE	Terra	23.24500	77.01200	4/9/2022	10:27:41	D	30.30
764	SEONI	GHANSAUR	npp	22.39150	79.83030	4/9/2022	13:22:53	D	3.90
765	SEONI	KEWLARI	npp	22.45070	80.07030	4/9/2022	13:22:53	D	3.40
766	SEONI	SEONI	npp	22.10600	79.39110	4/9/2022	13:22:53	D	12.80
767	SEONI	SEONI	npp	22.10950	79.38660	4/9/2022	02:12:53	N	1.50
768	SEONI	SEONI	npp	22.11050	79.38140	4/9/2022	02:12:53	N	1.30
769	SEONI	SEONI	npp	22.13380	79.36450	4/9/2022	02:12:53	N	1.60
770	SEONI	SEONI	npp	22.13480	79.35920	4/9/2022	02:12:53	N	1.60
771	SEONI	SEONI	Terra	22.10600	79.39200	4/9/2022	10:27:41	D	11.40
772	SEONI	SEONI	Terra	22.13300	79.37200	4/9/2022	10:27:41	D	20.20
773	SHAH DOL	SOHAGPUR	npp	23.08290	81.49240	4/9/2022	02:12:53	N	1.60
774	SHAH DOL	SOHAGPUR	npp	23.08710	81.49380	4/9/2022	02:12:53	N	1.40
775	SHAH DOL	SOHAGPUR	npp	23.08740	81.49100	4/9/2022	02:12:53	N	1.00
776	SHAJAPUR	SUJALPUR	npp	23.18950	76.56830	4/9/2022	02:12:53	N	1.20
777	SHAJAPUR	SUJALPUR	npp	23.19290	76.56900	4/9/2022	02:12:53	N	1.10
778	SHEOPUR	KARAHAL	npp	25.42410	76.81240	4/9/2022	02:12:53	N	1.70
779	SHIVPURI	NARWAR	npp	25.70770	78.12210	4/9/2022	02:12:53	N	2.50
780	SHIVPURI	NARWAR	npp	25.71120	78.12290	4/9/2022	02:12:53	N	1.30
781	SINGRAULI	CHITRANGI	npp	24.23530	82.69000	4/9/2022	13:22:53	D	3.60
782	SINGRAULI	SINGRAULI	npp	23.94430	82.69860	4/9/2022	13:22:53	D	26.60
783	SINGRAULI	SINGRAULI	npp	23.94800	82.69810	4/9/2022	13:22:53	D	15.90
784	UJJAIN	BARNAGAR	npp	23.05850	75.45040	4/9/2022	02:12:53	N	0.60
785	UJJAIN	BARNAGAR	npp	23.06180	75.45100	4/9/2022	02:12:53	N	0.60
786	UJJAIN	GHATIYA	npp	23.40680	75.87260	4/9/2022	02:12:53	N	0.70
787	UJJAIN	MEHIDPUR	npp	23.58010	75.51490	4/9/2022	02:12:53	N	1.50
788	UJJAIN	MEHIDPUR	npp	23.58340	75.51560	4/9/2022	02:12:53	N	0.90

789	UJJAIN	MEHIDPUR	npp	23.62220	75.73630	4/9/2022	02:12:53	N	1.80
790	UJJAIN	NAGDA	npp	23.40210	75.58690	4/9/2022	02:12:53	N	1.10
791	UJJAIN	TARANA	npp	23.17700	76.09720	4/9/2022	02:12:53	N	1.20
792	UJJAIN	TARANA	npp	23.50640	75.98910	4/9/2022	02:12:53	N	0.70
793	UJJAIN	TARANA	npp	23.50700	75.98530	4/9/2022	02:12:53	N	0.70
794	UJJAIN	TARANA	npp	23.50970	75.98970	4/9/2022	02:12:53	N	0.70
795	UJJAIN	TARANA	npp	23.54050	75.88560	4/9/2022	02:12:53	N	0.50
796	UJJAIN	UJJAIN	npp	23.08450	75.91450	4/9/2022	02:12:53	N	1.10
797	UJJAIN	UJJAIN	npp	23.08780	75.91510	4/9/2022	02:12:53	N	1.10
798	UJJAIN	UJJAIN	npp	23.10460	75.74990	4/9/2022	02:12:53	N	2.40
799	UJJAIN	UJJAIN	npp	23.10580	75.74230	4/9/2022	02:12:53	N	0.60
800	UJJAIN	UJJAIN	npp	23.10890	75.72340	4/9/2022	02:12:53	N	1.20
801	UJJAIN	UJJAIN	npp	23.11040	75.73540	4/9/2022	02:12:53	N	0.60
802	UJJAIN	UJJAIN	npp	23.11100	75.73160	4/9/2022	02:12:53	N	0.60
803	UJJAIN	UJJAIN	npp	23.11220	75.72400	4/9/2022	02:12:53	N	1.20
804	UJJAIN	UJJAIN	npp	23.11310	75.73980	4/9/2022	02:12:53	N	0.80
805	UJJAIN	UJJAIN	npp	23.11370	75.73600	4/9/2022	02:12:53	N	0.80
806	UJJAIN	UJJAIN	npp	23.11430	75.73220	4/9/2022	02:12:53	N	0.80
807	UJJAIN	UJJAIN	npp	23.11760	75.73280	4/9/2022	02:12:53	N	0.80
808	UJJAIN	UJJAIN	Terra	23.07900	75.92400	4/9/2022	23:01:33	N	20.00
809	UJJAIN	UJJAIN	Terra	23.08200	75.93000	4/9/2022	23:01:33	N	13.80
810	UMARIA	BANDHOGARH	npp	23.32970	80.82720	4/9/2022	02:12:53	N	0.30
811	UMARIA	BANDHOGARH	npp	23.33140	80.82610	4/9/2022	02:12:53	N	0.50
812	VIDESHA	BASODA	npp	23.73440	78.08840	4/9/2022	02:12:53	N	0.50
813	VIDESHA	BASODA	npp	23.76730	77.98680	4/9/2022	02:12:53	N	3.70
814	VIDESHA	BASODA	npp	23.77540	78.14480	4/9/2022	13:22:53	D	7.70
815	VIDESHA	BASODA	npp	23.78380	78.28680	4/9/2022	02:12:53	N	0.40
816	VIDESHA	BASODA	npp	23.79300	77.92490	4/9/2022	02:12:53	N	0.30
817	VIDESHA	BASODA	npp	23.81930	78.05460	4/9/2022	13:22:53	D	4.10
818	VIDESHA	BASODA	npp	23.85440	78.04830	4/9/2022	02:12:53	N	4.40
819	VIDESHA	BASODA	npp	23.85790	78.04900	4/9/2022	02:12:53	N	2.60
820	VIDESHA	BASODA	npp	23.88180	78.01800	4/9/2022	02:12:53	N	0.40
821	VIDESHA	BASODA	npp	23.88460	78.02310	4/9/2022	02:12:53	N	1.20

822	VIDESHA	BASODA	npp	23.88530	78.01870	4/9/2022	02:12:53	N	8.40
823	VIDESHA	BASODA	npp	23.89950	78.02170	4/9/2022	02:12:53	N	1.70
824	VIDESHA	BASODA	npp	23.90300	78.02240	4/9/2022	02:12:53	N	1.70
825	VIDESHA	BASODA	npp	23.92300	77.95040	4/9/2022	02:12:53	N	4.50
826	VIDESHA	BASODA	npp	23.92380	77.94600	4/9/2022	02:12:53	N	3.00
827	VIDESHA	BASODA	npp	23.92730	77.94680	4/9/2022	02:12:53	N	2.90
828	VIDESHA	BASODA	npp	23.93990	77.95840	4/9/2022	02:12:53	N	4.00
829	VIDESHA	BASODA	npp	23.94060	77.95400	4/9/2022	02:12:53	N	4.00
830	VIDESHA	BASODA	npp	23.94260	77.96340	4/9/2022	02:12:53	N	1.40
831	VIDESHA	BASODA	npp	23.94340	77.95910	4/9/2022	02:12:53	N	4.00
832	VIDESHA	BASODA	npp	23.94690	77.95980	4/9/2022	02:12:53	N	0.50
833	VIDESHA	BASODA	npp	23.95190	77.95190	4/9/2022	02:12:53	N	0.60
834	VIDESHA	BASODA	npp	23.96470	77.94120	4/9/2022	02:12:53	N	2.50
835	VIDESHA	BASODA	npp	24.01290	77.88580	4/9/2022	13:22:53	D	67.10
836	VIDESHA	BASODA	npp	24.01620	77.88520	4/9/2022	13:22:53	D	67.10
837	VIDESHA	GYARASPUR	npp	23.53410	77.99100	4/9/2022	02:12:53	N	1.10
838	VIDESHA	GYARASPUR	npp	23.54830	77.99390	4/9/2022	02:12:53	N	1.10
839	VIDESHA	GYARASPUR	npp	23.60010	77.88790	4/9/2022	02:12:53	N	0.30
840	VIDESHA	GYARASPUR	npp	23.60100	77.92390	4/9/2022	02:12:53	N	0.50
841	VIDESHA	GYARASPUR	npp	23.61040	77.91240	4/9/2022	02:12:53	N	0.60
842	VIDESHA	GYARASPUR	npp	23.62460	78.21780	4/9/2022	02:12:53	N	1.00
843	VIDESHA	GYARASPUR	npp	23.62820	78.21850	4/9/2022	02:12:53	N	1.00
844	VIDESHA	GYARASPUR	npp	23.63180	78.05470	4/9/2022	02:12:53	N	1.30
845	VIDESHA	GYARASPUR	npp	23.63570	78.19710	4/9/2022	02:12:53	N	1.20
846	VIDESHA	GYARASPUR	npp	23.63750	77.94500	4/9/2022	02:12:53	N	1.20
847	VIDESHA	GYARASPUR	npp	23.63930	78.19780	4/9/2022	02:12:53	N	1.20
848	VIDESHA	GYARASPUR	npp	23.64010	77.90970	4/9/2022	02:12:53	N	1.20
849	VIDESHA	GYARASPUR	npp	23.64290	78.19860	4/9/2022	02:12:53	N	1.60
850	VIDESHA	GYARASPUR	npp	23.64760	78.21350	4/9/2022	02:12:53	N	0.30
851	VIDESHA	GYARASPUR	npp	23.65160	78.19120	4/9/2022	02:12:53	N	0.50
852	VIDESHA	GYARASPUR	npp	23.66150	77.93020	4/9/2022	02:12:53	N	1.00
853	VIDESHA	GYARASPUR	npp	23.66500	77.93090	4/9/2022	02:12:53	N	1.00
854	VIDESHA	GYARASPUR	npp	23.66850	77.93160	4/9/2022	02:12:53	N	1.20

855	VIDESHA	GYARASPUR	npp	23.68390	77.94830	4/9/2022	02:12:53	N	0.80
856	VIDESHA	GYARASPUR	npp	23.68680	77.89070	4/9/2022	02:12:53	N	0.70
857	VIDESHA	GYARASPUR	npp	23.68740	77.94900	4/9/2022	02:12:53	N	1.60
858	VIDESHA	GYARASPUR	npp	23.70790	77.89510	4/9/2022	02:12:53	N	4.40
859	VIDESHA	GYARASPUR	npp	23.70870	77.89080	4/9/2022	02:12:53	N	4.40
860	VIDESHA	GYARASPUR	npp	23.71290	78.05360	4/9/2022	02:12:53	N	1.90
861	VIDESHA	GYARASPUR	npp	23.71360	78.04930	4/9/2022	02:12:53	N	3.00
862	VIDESHA	GYARASPUR	npp	23.72930	77.87730	4/9/2022	02:12:53	N	0.50
863	VIDESHA	GYARASPUR	Terra	23.64200	78.19400	4/9/2022	10:27:41	D	83.80
864	VIDESHA	GYARASPUR	Terra	23.64400	78.17500	4/9/2022	10:27:41	D	35.20
865	VIDESHA	GYARASPUR	Terra	23.72800	77.87300	4/9/2022	10:27:41	D	28.30
866	VIDESHA	KORWAI	npp	23.92170	78.24930	4/9/2022	02:12:53	N	1.20
867	VIDESHA	KORWAI	npp	23.92350	78.24740	4/9/2022	02:12:53	N	0.80
868	VIDESHA	KORWAI	npp	24.03200	78.05190	4/9/2022	02:12:53	N	1.40
869	VIDESHA	KORWAI	npp	24.03520	77.97180	4/9/2022	02:12:53	N	0.50
870	VIDESHA	KORWAI	npp	24.03850	77.93230	4/9/2022	02:12:53	N	1.00
871	VIDESHA	KORWAI	npp	24.11380	77.89720	4/9/2022	02:12:53	N	1.30
872	VIDESHA	KORWAI	npp	24.11730	77.89800	4/9/2022	02:12:53	N	0.70
873	VIDESHA	KORWAI	npp	24.13590	77.97770	4/9/2022	02:12:53	N	0.90
874	VIDESHA	KORWAI	npp	24.13670	77.97340	4/9/2022	02:12:53	N	0.90
875	VIDESHA	KORWAI	npp	24.21360	77.98750	4/9/2022	02:12:53	N	1.80
876	VIDESHA	SIRANJ	npp	23.99570	77.71190	4/9/2022	13:22:53	D	16.70
877	VIDESHA	SIRANJ	npp	24.03710	77.81660	4/9/2022	02:12:53	N	0.80
878	VIDESHA	SIRANJ	npp	24.04060	77.81730	4/9/2022	02:12:53	N	0.80
879	VIDESHA	SIRANJ	npp	24.06080	77.76430	4/9/2022	02:12:53	N	0.80
880	VIDESHA	SIRANJ	npp	24.06280	77.89730	4/9/2022	02:12:53	N	0.50
881	VIDESHA	SIRANJ	npp	24.06430	77.76500	4/9/2022	02:12:53	N	0.80
882	VIDESHA	SIRANJ	npp	24.08750	77.88030	4/9/2022	02:12:53	N	1.40
883	VIDESHA	SIRANJ	npp	24.12820	77.75470	4/9/2022	02:12:53	N	0.60
884	VIDESHA	SIRANJ	npp	24.13660	77.74770	4/9/2022	02:12:53	N	1.10
885	VIDESHA	SIRANJ	npp	24.13740	77.74350	4/9/2022	02:12:53	N	1.10
886	VIDESHA	SIRANJ	npp	24.13760	77.78300	4/9/2022	02:12:53	N	1.40
887	VIDESHA	SIRANJ	npp	24.14110	77.78380	4/9/2022	02:12:53	N	1.40

888	VIDESHA	SIRANJ	npp	24.27680	77.87640	4/9/2022	02:12:53	N	0.60
889	VIDESHA	VIDESHA	npp	23.47700	77.82440	4/9/2022	13:22:53	D	41.10
890	VIDESHA	VIDESHA	npp	23.47760	77.82820	4/9/2022	13:22:53	D	124.30
891	VIDESHA	VIDESHA	npp	23.48090	77.82760	4/9/2022	13:22:53	D	24.20
892	VIDESHA	VIDESHA	npp	23.52010	77.89110	4/9/2022	02:12:53	N	2.90
893	VIDESHA	VIDESHA	npp	23.52370	77.89180	4/9/2022	02:12:53	N	4.90
894	VIDESHA	VIDESHA	npp	23.52420	77.90990	4/9/2022	02:12:53	N	4.70
895	VIDESHA	VIDESHA	npp	23.52440	77.88750	4/9/2022	02:12:53	N	7.40
896	VIDESHA	VIDESHA	npp	23.52690	77.91490	4/9/2022	02:12:53	N	20.80
897	VIDESHA	VIDESHA	npp	23.52770	77.91060	4/9/2022	02:12:53	N	20.80
898	VIDESHA	VIDESHA	npp	23.52850	77.90630	4/9/2022	02:12:53	N	13.80
899	VIDESHA	VIDESHA	npp	23.53120	77.91130	4/9/2022	02:12:53	N	20.80
900	VIDESHA	VIDESHA	npp	23.53200	77.90700	4/9/2022	02:12:53	N	13.80
901	VIDESHA	VIDESHA	npp	23.53550	77.90780	4/9/2022	02:12:53	N	3.00
902	VIDESHA	VIDESHA	npp	23.53630	77.90340	4/9/2022	02:12:53	N	3.00
903	VIDESHA	VIDESHA	npp	23.54820	77.95330	4/9/2022	02:12:53	N	3.40
904	VIDESHA	VIDESHA	npp	23.54900	77.94900	4/9/2022	02:12:53	N	3.40
905	VIDESHA	VIDESHA	npp	23.55250	77.94980	4/9/2022	02:12:53	N	3.40
906	VIDESHA	VIDESHA	Terra	23.53000	77.89100	4/9/2022	10:27:41	D	45.20
907	VIDESHA	VIDESHA	Terra	23.53100	77.89800	4/9/2022	10:27:41	D	36.00

The study used data received from following Satellites at NRSC Ground Station

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

**The rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC**

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**GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>
(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)**
