



**Bulletin  
No. 38**

**Events Date:  
08-May-2023**

**Issued on:  
08-May-2023**



# **MONITORING WHEAT RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023**



**Prepared by:**

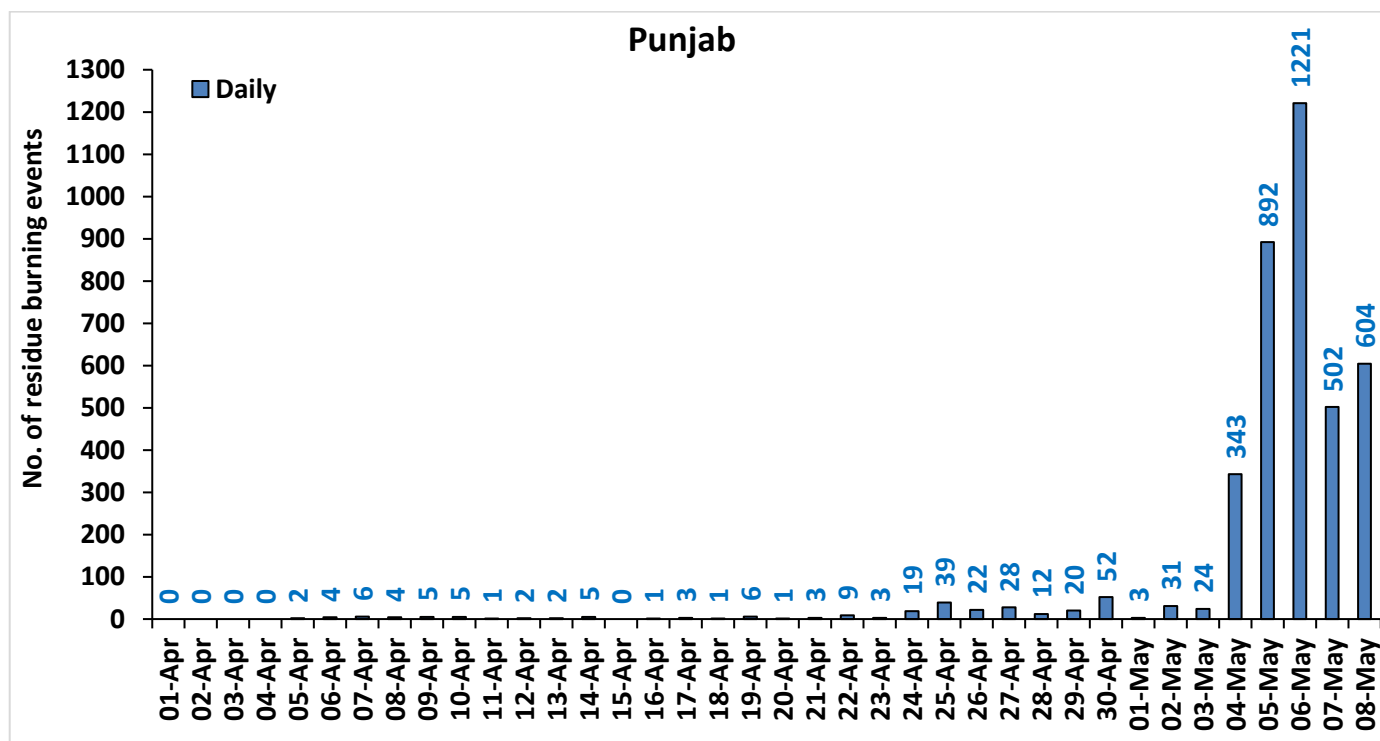
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

**<http://creams.iari.res.in/cms2/>**

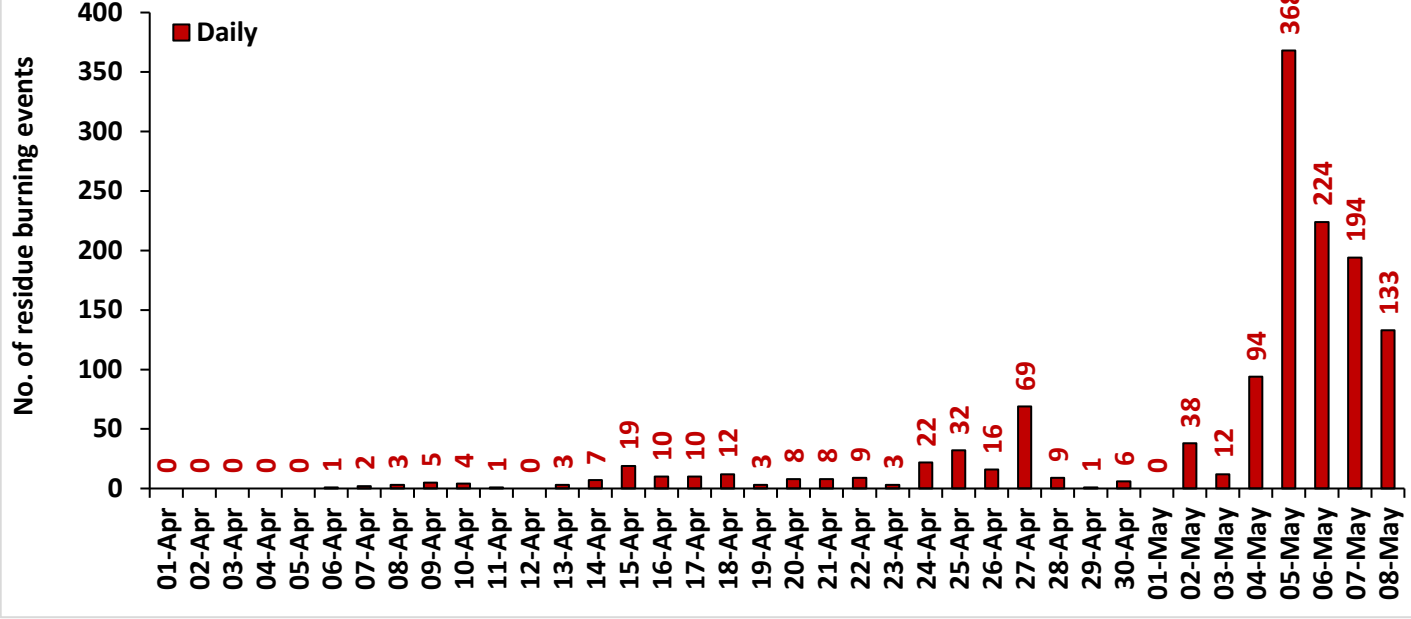
## Highlights for 08-May-2023

- 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 **974** residue burning events in the five study States on 08-May-2023.
- The state wise events detected on 08-May-2023 were **604** in Punjab, **133** in Haryana, **00** in Delhi, **66** in Uttar Pradesh and **171** in Madhya Pradesh.
- The number of events has decreased from **1064** on 07-May-2023 to **974** on 08-May-2023 in the five study states.
- Total **28444** burning events were detected in the five states between 01-Apr-2023 and 08-May-2023, which are distributed as **3875**, **1326**, **5925**, **05**, and **17313** in Punjab, Haryana, UP, Delhi, and MP, respectively.

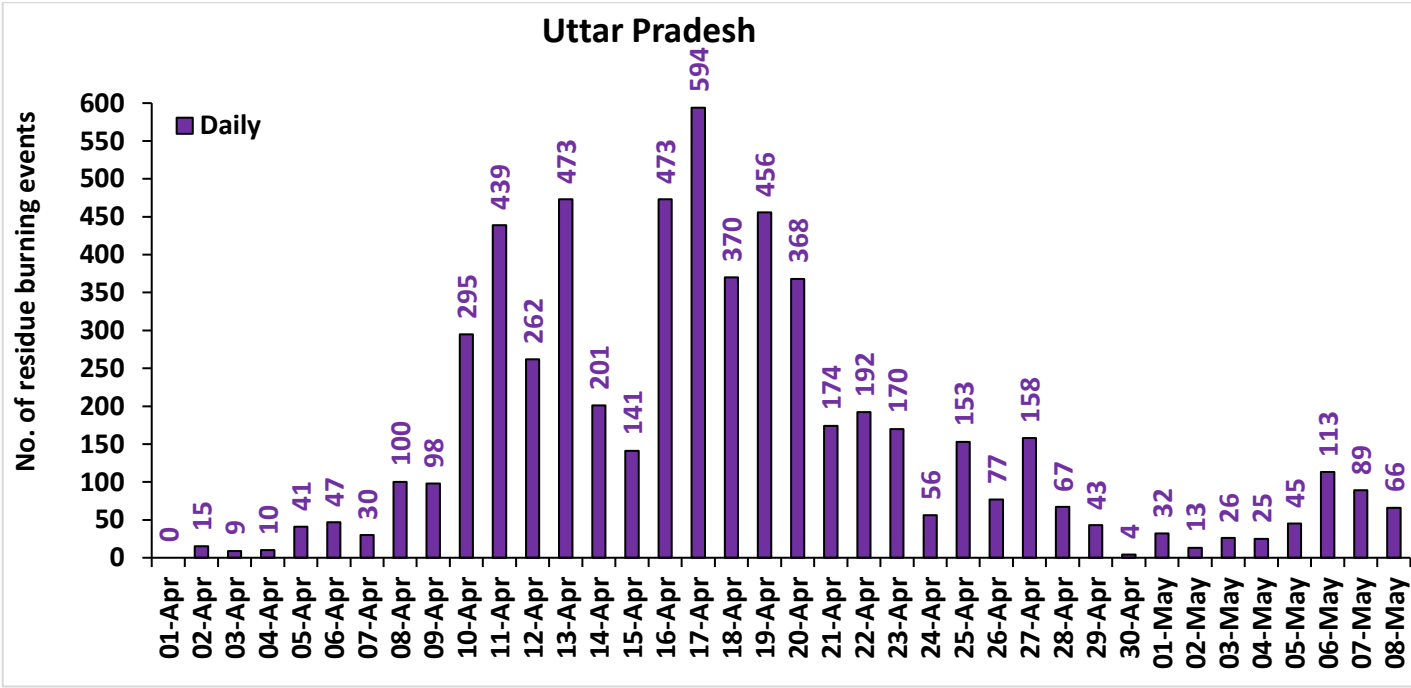
### Temporal distribution of wheat residue burning events for the study States in 2023

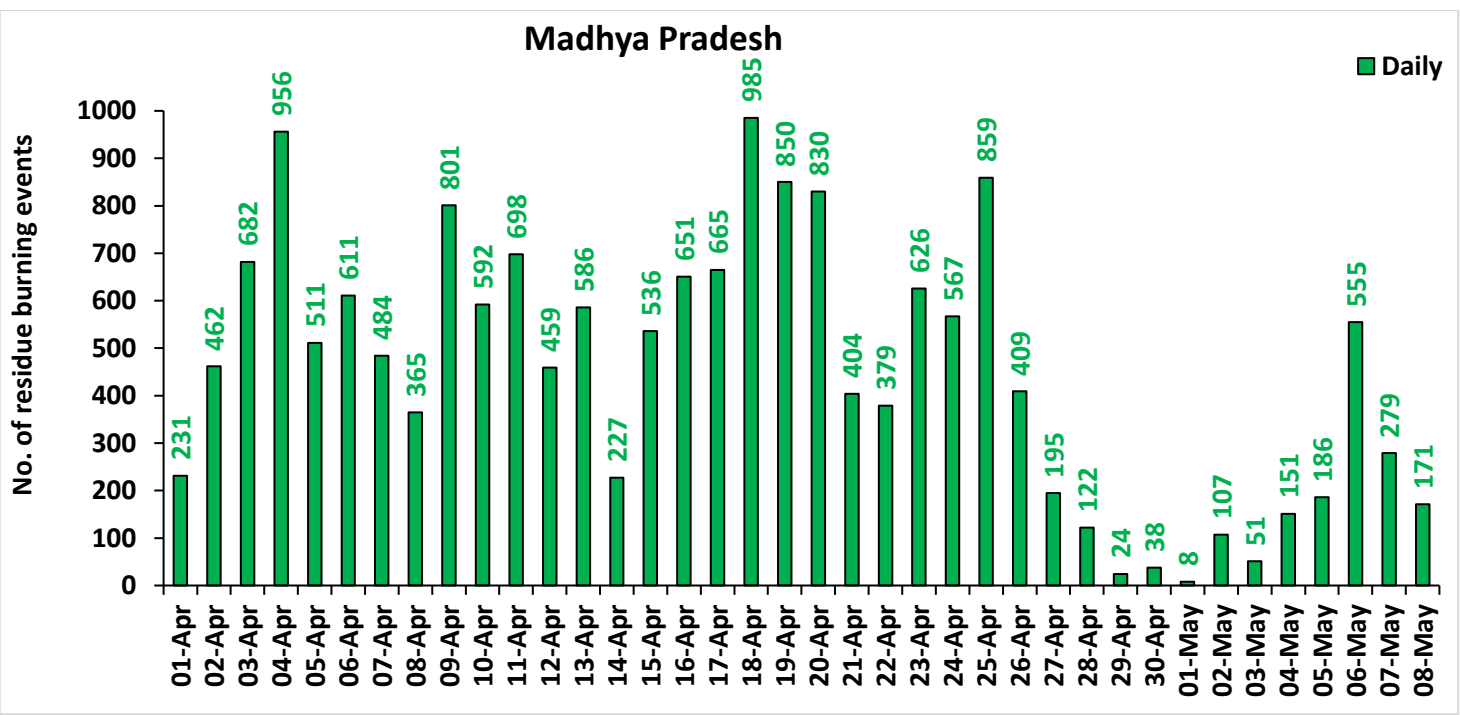
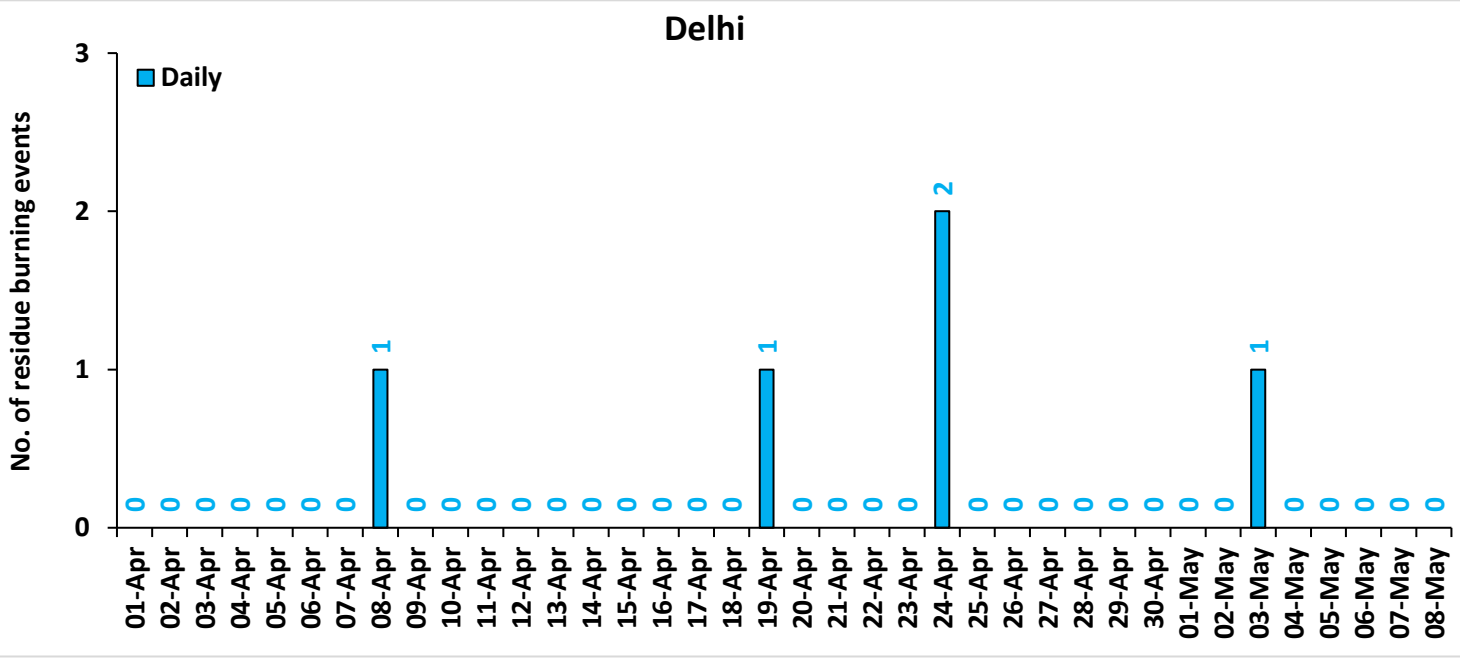


### Haryana

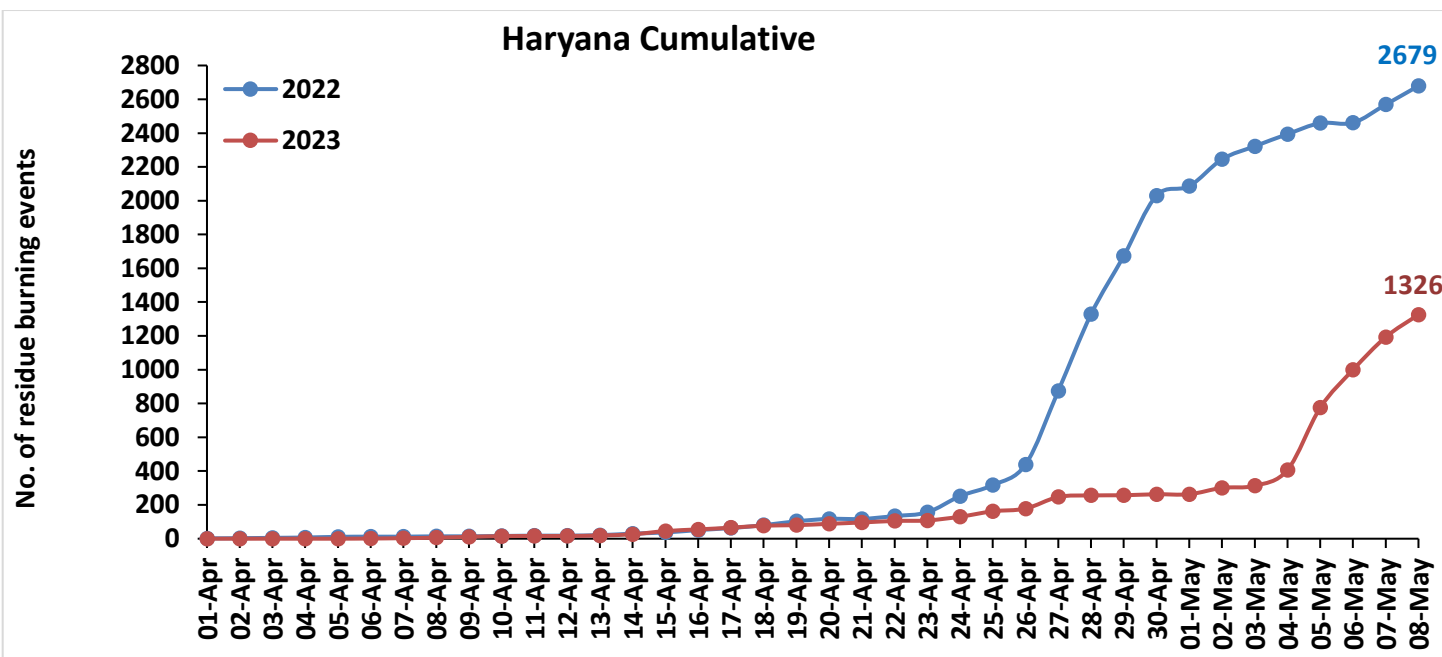
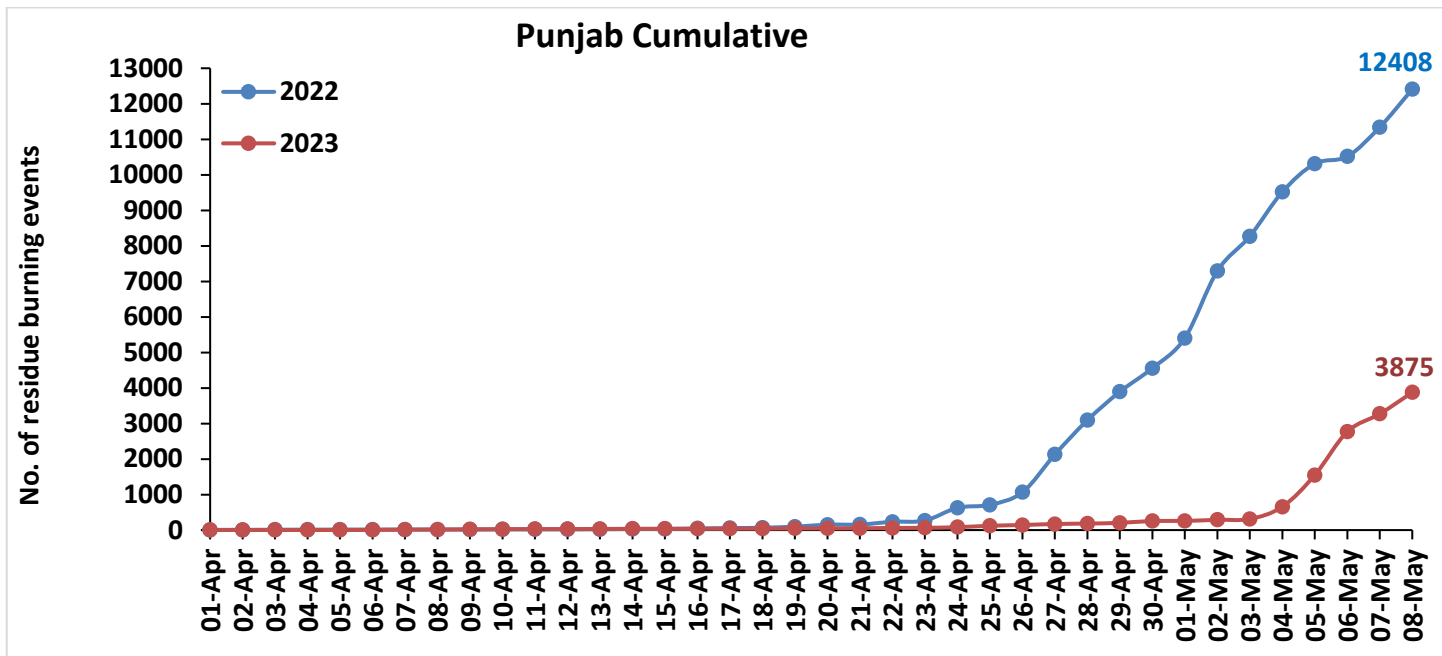


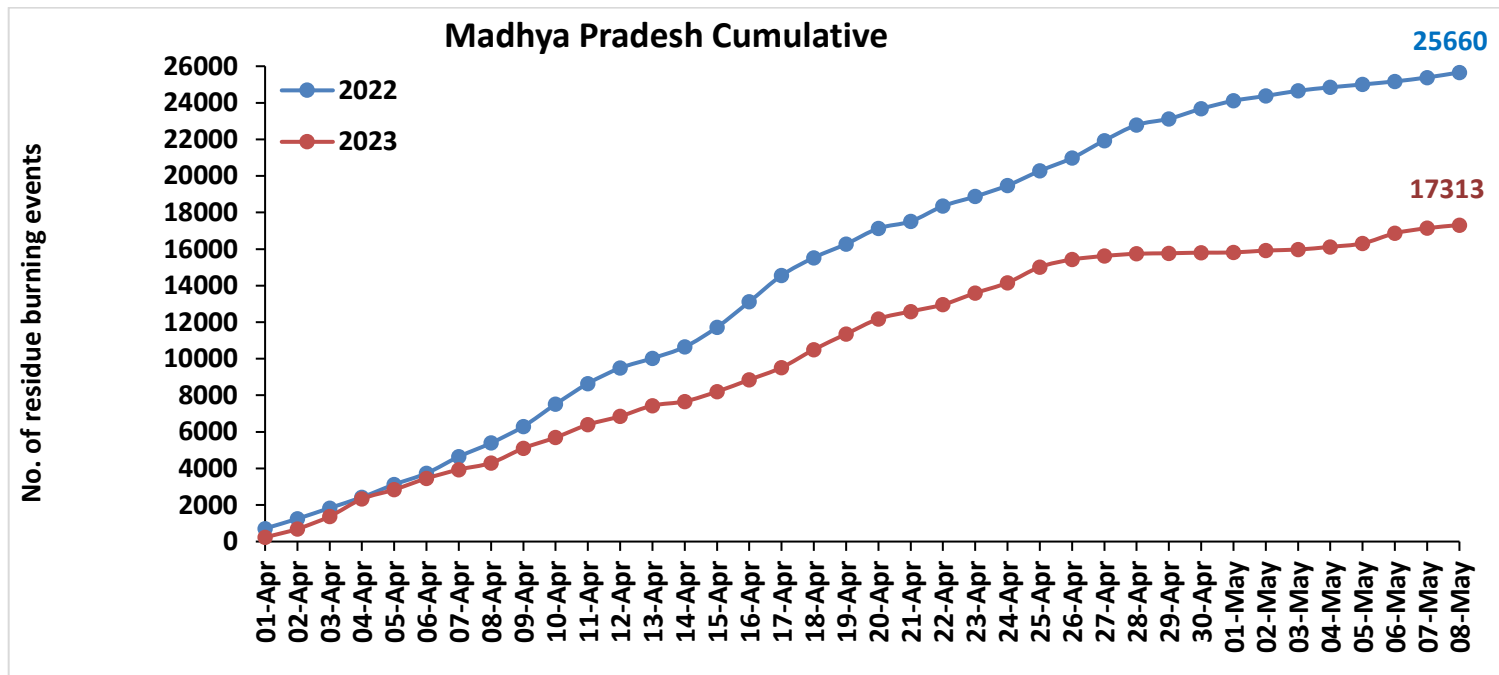
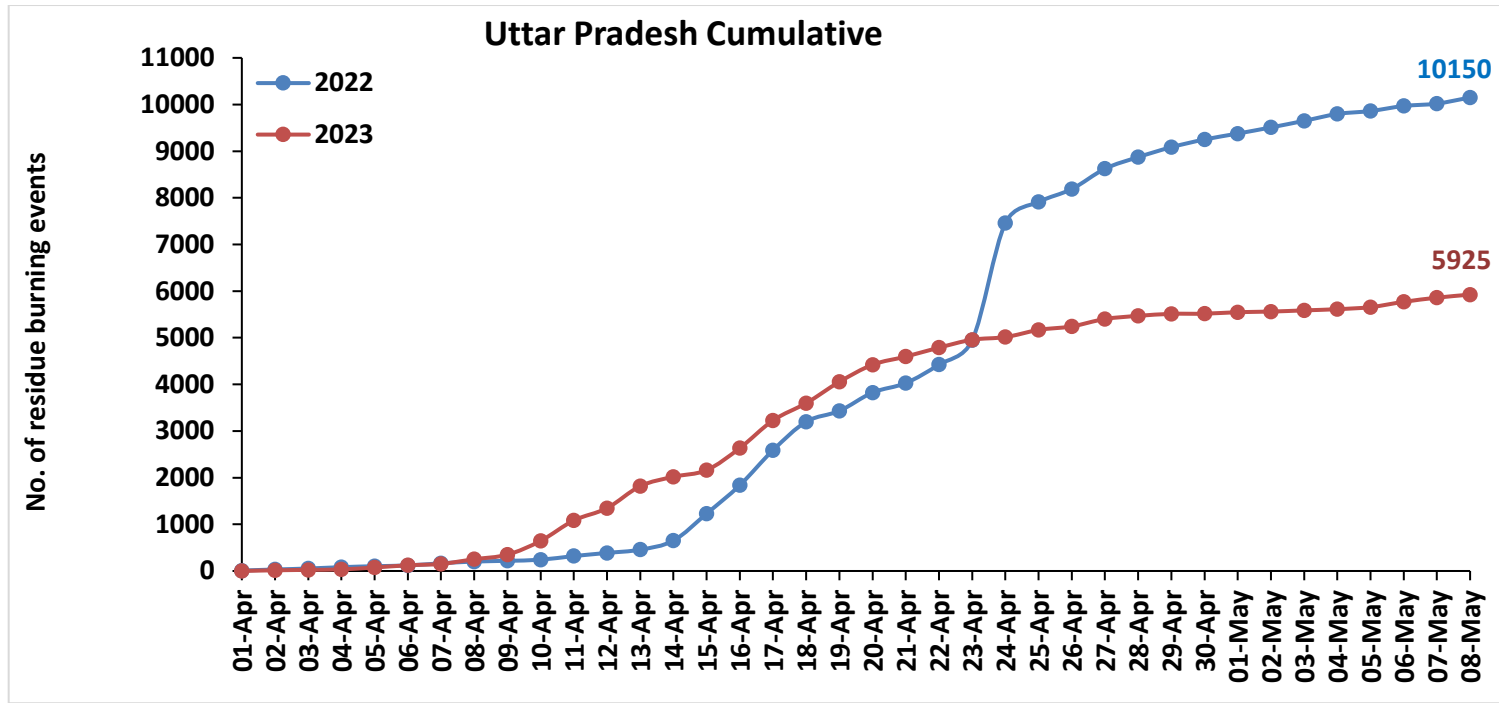
### Uttar Pradesh

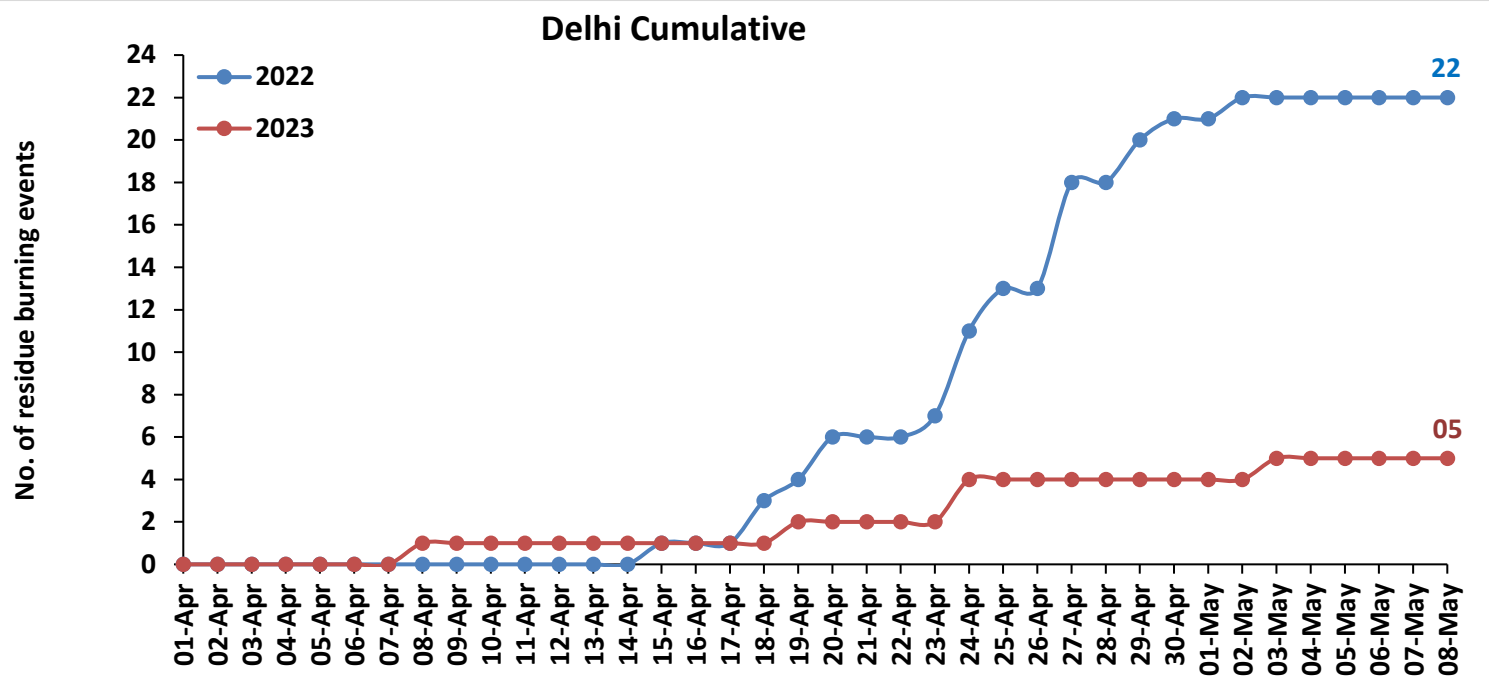




### Comparison of residue burning events in current year (2023) with previous year (2022) for the study States







**District-wise cumulative number of wheat residue burning events detected in 2022 and 2023**  
**(Period: 01 April-08 May)**

**(a) Punjab**

District	01 Apr-08 May	
	2022	2023
Amritsar	1135	100
Barnala	434	457
Bathinda	780	358
Faridkot	460	116
Fatehgarh Sahib	46	16
Fazilka	479	183
Firozpur	1330	233
Gurdaspur	1053	105
Hoshiarpur	415	162
Jalandhar	465	77
Kapurthala	563	75
Ludhiana	681	227
Mansa	399	297
Moga	1011	304
Muktsar	617	237
Pathankot	129	33
Patiala	371	215
Rupnagar	37	3
Sangrur	881	612
SAS NAGAR (Mohali)	22	6
SBS Nagar	95	15
Tarn Taran	1005	44
<b>Total</b>	<b>12408</b>	<b>3875</b>

**(b) Haryana**

District	01 Apr-08 May	
	2022	2023
AMBALA	84	43
BHIWANI	72	17
CHARKHI DADRI	8	4
FARIDABAD	11	10
FATEHABAD	256	241
GURGAON	6	9
HISAR	130	91
JHAJJAR	119	50
JIND	331	114
KAITHAL	268	133
KARNAL	364	156
KURUKSHETRA	131	29
MAHENDRAGARH	0	0
MEWAT	0	6
PALWAL	33	27
PANCHKULA	3	0
PANIPAT	205	62
REWARI	3	3
ROHTAK	208	49
SIRSA	168	200
SONIPAT	264	69
YAMUNANAGAR	15	13
<b>Total</b>	<b>2679</b>	<b>1326</b>



(c) Uttar Pradesh

District	01 Apr-08 May							
	2022	2023						
			GAUTAMBUDHNAGAR	27	22	MUZAFARNAGAR	49	31
			GAZIPUR	86	46	PILHIBHIT	271	51
AGRA	2	0	GHAZIABAD	13	7	PRATAPGARH	18	13
ALIGARH	18	28	GONDA	19	25	RAIBEARELI	88	14
ALLAHABAD	88	26	GORAKHPUR	946	364	RAMPUR	102	16
AMBEDKARNAGAR	10	11	HAMIRPUR	13	26	SANTKABIRNAGAR	675	429
AURAIYA	82	8	HARDOI	83	49	SANTRAVIDASNAGAR	1	2
AZAMGARH	85	70	JALAUN	15	9	SHAHJAHANPUR	289	63
BADAUN	6	4	JAUNPUR	19	6	SHARANPUR	30	10
BAGHPAT	6	1	JHANSI	91	104	SHRAWASTI	81	41
BAHRAICH	100	39	JYOTIBAPHULE NAGAR	7	3	SIDDHARTHANAGAR	2521	1845
BALLIA	118	200	KANNAUJ	0	1	SITAPUR	17	19
BALRAMPUR	233	93	KANPUR	6	2	SONBHADRA	112	21
BANDA	4	1	KANPUR DEHAT	20	9	SULTANPUR	59	25
BARABANKI	6	2	KAUSHAMBI	5	4	UNNAO	35	9
BAREILLY	94	15	KHERI	146	62	VARANASI	1	0
BASTI	421	219	KUSHINAGAR	216	92	<b>Total</b>	<b>10150</b>	<b>5925</b>
BIJNOR	44	22	LACKNOW	4	0			
BULANDSAHAR	8	9	LALITPUR	44	52			
CHANDAULI	277	54	MAHAMAYANAGAR	0	1			
CHITRAKOOT	21	2	MAHARAJGANJ	1483	977			
DEORIA	718	439	MAHOBA	2	40			
ETAH	1	2	MAINPURI	2	5			
ETAWAH	3	3	MATHURA	23	53			
FAIZABAD	3	9	MAU	73	59			
FARRUKHABAD	3	2	MEERUT	14	15			
FATEHPUR	29	18	MIRZAPUR	59	12			
FIROZABAD	1	0	MORADABAD	4	14			

(d) Madhya Pradesh

District	01 Apr-08 May				
	2022	2023	PANNA	137	61
ALIRAJPUR	0	0	RAISEN	2560	1617
ANUPPUR	33	1	RAJGARH	122	156
ASHOKNAGAR	620	225	RATLAM	184	285
BALAGHAT	25	1	REWA	93	20
BARWANI	4	7	SAGAR	715	514
BETUL	168	44	SATNA	636	117
BHIND	53	40	SEHORE	921	636
BHOPAL	929	461	SEONI	1515	696
BURHANPUR	11	2	SHAHDOL	98	8
CHHATARPUR	133	89	SHAJAPUR	354	524
CHHINDWARA	469	235	SHEOPUR	341	433
DAMOH	195	231	SHIVPURI	152	94
DATIA	339	267	SIDHI	20	1
DEWAS	555	559	SINGRAULI	104	3
DHAR	1004	872	TIKAMGARH	28	66
DINDORI	43	3	UJJAIN	1195	1737
EAST NIMAR	80	103	UMARIA	46	5
GUNA	686	373	VIDESHA	3670	1639
GWALIOR	507	356	WEST NIMAR	31	50
HARDA	374	270	<b>Total</b>	<b>25660</b>	<b>17313</b>
HOSHANGABAD	4060	2754			
INDORE	965	1004			
JABALPUR	850	424			
JHABUA	2	6			
KATNI	253	69			
MANDLA	168	24			
MANDSAUR	63	97			
MORENA	3	0			
NARSHIMAPURA	126	95			
NIMACH	20	39			

**(e) Delhi**

District	01 Apr-08 May	
	2022	2023
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	18	2
NORTH EAST	0	0
NORTH WEST DELHI	1	0
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	1	2
WEST DELHI	1	1
<b>Total</b>	<b>22</b>	<b>5</b>

**State-wise and date-wise number of wheat residue burning events detected in 2022 and 2023**  
**(Period: 01 April-08 May)**

Date	Punjab		Haryana		Uttar Pradesh		Delhi		Madhya Pradesh	
	2022	2023	2022	2023	2022	2023	2022	2023	2022	2023
01-Apr	6	0	2	0	10	0	0	0	715	231
02-Apr	1	0	1	0	22	15	0	0	531	462
03-Apr	3	0	2	0	21	9	0	0	589	682
04-Apr	2	0	2	0	29	10	0	0	589	956
05-Apr	2	2	4	0	21	41	0	0	698	511
06-Apr	0	4	1	1	16	47	0	0	612	611
07-Apr	0	6	0	2	46	30	0	0	908	484
08-Apr	1	4	2	3	37	100	0	1	749	365
09-Apr	0	5	0	5	16	98	0	0	907	801
10-Apr	4	5	2	4	24	295	0	0	1217	592
11-Apr	2	1	2	1	78	439	0	0	1129	698
12-Apr	0	2	0	0	67	262	0	0	847	459
13-Apr	3	2	3	3	70	473	0	0	537	586
14-Apr	7	5	9	7	193	201	0	0	618	227
15-Apr	1	0	7	19	579	141	1	0	1079	536
16-Apr	13	1	14	10	609	473	0	0	1390	651
17-Apr	10	3	12	10	751	594	0	0	1441	665
18-Apr	12	1	17	12	611	370	2	0	972	985
19-Apr	29	6	23	3	231	456	1	1	748	850
20-Apr	56	1	14	8	395	368	2	0	856	830
21-Apr	4	3	0	8	202	174	0	0	379	404
22-Apr	77	9	17	9	398	192	0	0	839	379
23-Apr	35	3	22	2	519	170	1	0	524	626
24-Apr	360	19	96	22	2515	56	4	2	605	567
25-Apr	82	39	65	32	450	153	2	0	796	859

<b>26-Apr</b>	354	22	122	16	277	77	0	0	706	409
<b>27-Apr</b>	1064	28	436	69	436	158	5	0	955	195
<b>28-Apr</b>	965	12	453	9	249	67	0	0	849	122
<b>29-Apr</b>	802	20	345	1	213	43	2	0	340	24
<b>30-Apr</b>	662	52	357	6	166	4	1	0	547	38
<b>01-May</b>	848	3	56	0	126	32	0	0	437	8
<b>02-May</b>	1887	31	159	38	132	13	1	0	265	107
<b>03-May</b>	979	24	77	12	141	26	0	1	283	51
<b>04-May</b>	1247	343	72	94	147	25	0	0	188	151
<b>05-May</b>	796	892	65	368	64	45	0	0	159	186
<b>06-May</b>	202	1221	2	224	107	113	0	0	166	555
<b>07-May</b>	827	502	108	194	52	89	0	0	215	279
<b>08-May</b>	1065	604	110	133	130	66	0	0	275	171
<b>Total</b>	<b>12408</b>	<b>3875</b>	<b>2679</b>	<b>1326</b>	<b>10150</b>	<b>5925</b>	<b>22</b>	<b>5</b>	<b>25660</b>	<b>17313</b>

### Details of residue burning events in Punjab on 08-May-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.89287	74.68023	13:36:58	D	3.00
2	AMRITSAR	ATTARI	S-NPP	31.58819	74.79257	13:36:58	D	3.80
3	AMRITSAR	ATTARI	S-NPP	31.59384	74.59390	13:36:58	D	2.80
4	AMRITSAR	ATTARI	S-NPP	31.60151	74.64693	13:36:58	D	6.20
5	AMRITSAR	ATTARI	S-NPP	31.62658	74.72609	13:36:58	D	3.00
6	AMRITSAR	CHOGAWAN	S-NPP	31.63968	74.69827	13:36:58	D	12.70
7	AMRITSAR	CHOGAWAN	S-NPP	31.64027	74.70236	13:36:58	D	5.40
8	AMRITSAR	CHOGAWAN	S-NPP	31.64301	74.69761	13:36:58	D	12.70
9	AMRITSAR	CHOGAWAN	S-NPP	31.65202	74.71267	13:36:58	D	4.80
10	AMRITSAR	CHOGAWAN	S-NPP	31.65467	74.63644	13:36:58	D	3.00
11	AMRITSAR	CHOGAWAN	S-NPP	31.65681	74.62762	13:36:58	D	2.10
12	AMRITSAR	CHOGAWAN	S-NPP	31.66583	74.64265	13:36:58	D	3.60
13	AMRITSAR	CHOGAWAN	S-NPP	31.69472	74.54499	13:36:58	D	1.40
14	AMRITSAR	CHOGAWAN	S-NPP	31.69853	74.66608	13:36:58	D	2.90
15	AMRITSAR	CHOGAWAN	S-NPP	31.69991	74.69949	13:36:58	D	9.30
16	AMRITSAR	CHOGAWAN	S-NPP	31.74981	74.68967	13:36:58	D	2.30
17	AMRITSAR	CHOGAWAN	S-NPP	31.76836	74.65232	13:36:58	D	3.90
18	AMRITSAR	CHOGAWAN	S-NPP	31.76908	74.61009	13:36:58	D	2.60
19	AMRITSAR	CHOGAWAN	AQUA	31.64000	74.69800	13:26:59	D	27.70
20	AMRITSAR	CHOGAWAN	AQUA	31.64000	74.70200	13:26:59	D	26.90
21	AMRITSAR	HARSHA CHHINA	S-NPP	31.75984	74.75944	13:36:58	D	1.40
22	AMRITSAR	HARSHA CHHINA	S-NPP	31.78714	74.90231	13:36:58	D	5.50
23	AMRITSAR	HARSHA CHHINA	S-NPP	31.78989	74.89753	13:36:58	D	10.10
24	AMRITSAR	HARSHA CHHINA	S-NPP	31.79048	74.90166	13:36:58	D	11.10
25	AMRITSAR	HARSHA CHHINA	S-NPP	31.79264	74.89276	13:36:58	D	10.10
26	AMRITSAR	JANDIALA GURU	S-NPP	31.57709	75.09049	13:36:58	D	1.30
27	AMRITSAR	MAJITHA	S-NPP	31.73143	74.99389	13:36:58	D	2.30
28	AMRITSAR	MAJITHA	S-NPP	31.74046	75.00917	13:36:58	D	6.40
29	AMRITSAR	MAJITHA	S-NPP	31.74424	75.08524	13:36:58	D	1.70

30	AMRITSAR	MAJITHA	S-NPP	31.75175	74.94318	13:36:58	D	2.50
31	AMRITSAR	MAJITHA	S-NPP	31.75807	74.89100	13:36:58	D	3.30
32	AMRITSAR	MAJITHA	S-NPP	31.79115	75.07619	13:36:58	D	3.40
33	AMRITSAR	RAYYA	S-NPP	31.51397	75.11492	13:36:58	D	3.10
34	AMRITSAR	RAYYA	S-NPP	31.51908	75.12671	13:36:58	D	1.60
35	AMRITSAR	RAYYA	S-NPP	31.54112	75.15279	13:36:58	D	5.10
36	AMRITSAR	RAYYA	S-NPP	31.55770	75.22223	13:36:58	D	3.90
37	AMRITSAR	RAYYA	S-NPP	31.58243	75.35057	13:36:58	D	4.40
38	AMRITSAR	RAYYA	S-NPP	31.69381	75.27432	13:36:58	D	3.10
39	AMRITSAR	VERKA	S-NPP	31.66245	74.83292	13:36:58	D	8.30
40	AMRITSAR	VERKA	S-NPP	31.67207	74.85220	13:36:58	D	6.50
41	AMRITSAR	VERKA	S-NPP	31.68325	74.93049	13:36:58	D	2.30
42	AMRITSAR	VERKA	S-NPP	31.71768	74.84802	13:36:58	D	3.30
43	BARNALA	BARNALA	S-NPP	30.23172	75.63245	13:36:58	D	5.30
44	BARNALA	BARNALA	S-NPP	30.27697	75.48907	13:36:58	D	7.10
45	BARNALA	BARNALA	S-NPP	30.28099	75.61485	13:36:58	D	12.50
46	BARNALA	BARNALA	S-NPP	30.29806	75.66251	13:36:58	D	6.40
47	BARNALA	BARNALA	S-NPP	30.30257	75.44261	13:36:58	D	6.80
48	BARNALA	BARNALA	S-NPP	30.30441	75.48010	13:36:58	D	5.60
49	BARNALA	BARNALA	S-NPP	30.31216	75.60948	13:36:58	D	5.40
50	BARNALA	BARNALA	S-NPP	30.34876	75.64931	13:36:58	D	10.10
51	BARNALA	BARNALA	S-NPP	30.35223	75.67413	13:36:58	D	6.80
52	BARNALA	BARNALA	S-NPP	30.37946	75.49978	13:36:58	D	7.70
53	BARNALA	BARNALA	S-NPP	30.38102	75.58398	13:36:58	D	4.40
54	BARNALA	BARNALA	S-NPP	30.39252	75.64120	13:36:58	D	6.30
55	BARNALA	BARNALA	S-NPP	30.42250	75.50139	13:36:58	D	6.10
56	BARNALA	BARNALA	AQUA	30.30400	75.60900	13:26:59	D	28.40
57	BARNALA	BARNALA	AQUA	30.34700	75.67600	13:26:59	D	19.50
58	BARNALA	MAHAL KALAN	S-NPP	30.50006	75.45763	13:36:58	D	13.60
59	BARNALA	MAHAL KALAN	S-NPP	30.52123	75.43678	13:36:58	D	7.70
60	BARNALA	MAHAL KALAN	S-NPP	30.52390	75.40676	13:36:58	D	8.60
61	BARNALA	MAHAL KALAN	S-NPP	30.53556	75.51441	13:36:58	D	14.40
62	BARNALA	MAHAL KALAN	S-NPP	30.54151	75.60667	13:36:58	D	18.60

63	BARNALA	MAHAL KALAN	S-NPP	30.54209	75.61081	13:36:58	D	18.60
64	BARNALA	MAHAL KALAN	S-NPP	30.54227	75.51316	13:36:58	D	9.10
65	BARNALA	MAHAL KALAN	S-NPP	30.54355	75.42416	13:36:58	D	7.10
66	BARNALA	MAHAL KALAN	S-NPP	30.57538	75.65149	13:36:58	D	6.10
67	BARNALA	MAHAL KALAN	S-NPP	30.57654	75.65981	13:36:58	D	9.50
68	BARNALA	MAHAL KALAN	S-NPP	30.58839	75.67041	13:36:58	D	4.60
69	BARNALA	MAHAL KALAN	S-NPP	30.59705	75.48599	13:36:58	D	11.60
70	BARNALA	MAHAL KALAN	AQUA	30.56200	75.56400	13:26:59	D	60.30
71	BARNALA	MAHAL KALAN	AQUA	30.56600	75.58400	13:26:59	D	34.50
72	BARNALA	SEHNA	S-NPP	30.37668	75.37108	13:36:58	D	8.10
73	BARNALA	SEHNA	S-NPP	30.41337	75.46091	13:36:58	D	12.70
74	BARNALA	SEHNA	S-NPP	30.48254	75.40611	13:36:58	D	6.10
75	BARNALA	SEHNA	S-NPP	30.48589	75.40548	13:36:58	D	6.10
76	BARNALA	SEHNA	S-NPP	30.48923	75.40485	13:36:58	D	5.60
77	BARNALA	SEHNA	S-NPP	30.50654	75.28391	13:36:58	D	4.90
78	BARNALA	SEHNA	S-NPP	30.51269	75.40044	13:36:58	D	15.30
79	BATHINDA	BATHINDA	S-NPP	30.15853	74.90434	13:36:58	D	3.60
80	BATHINDA	BATHINDA	S-NPP	30.15949	74.81770	13:36:58	D	5.80
81	BATHINDA	BATHINDA	S-NPP	30.16649	75.00596	13:36:58	D	5.00
82	BATHINDA	BATHINDA	S-NPP	30.18654	74.80029	13:36:58	D	5.10
83	BATHINDA	BATHINDA	S-NPP	30.18986	74.79965	13:36:58	D	5.10
84	BATHINDA	BATHINDA	S-NPP	30.21363	74.86916	13:36:58	D	6.90
85	BATHINDA	BATHINDA	S-NPP	30.21618	74.83983	13:36:58	D	4.30
86	BATHINDA	BATHINDA	S-NPP	30.21755	74.80251	13:36:58	D	13.20
87	BATHINDA	BATHINDA	S-NPP	30.26982	74.83356	13:36:58	D	2.70
88	BATHINDA	BATHINDA	S-NPP	30.27390	74.79156	13:36:58	D	4.90
89	BATHINDA	BHAGTA BHAI KA	S-NPP	30.46365	75.07903	13:36:58	D	3.20
90	BATHINDA	BHAGTA BHAI KA	S-NPP	30.48779	75.03280	13:36:58	D	2.60
91	BATHINDA	BHAGTA BHAI KA	S-NPP	30.52976	75.15813	13:36:58	D	14.00
92	BATHINDA	BHAGTA BHAI KA	AQUA	30.56300	75.16700	13:26:59	D	27.80
93	BATHINDA	GONIANA MANDI	S-NPP	30.29776	74.93134	13:36:58	D	5.80
94	BATHINDA	GONIANA MANDI	S-NPP	30.30400	74.74552	13:36:58	D	4.20
95	BATHINDA	GONIANA MANDI	S-NPP	30.30439	75.00038	13:36:58	D	3.60



96	BATHINDA	GONIANA MANDI	S-NPP	30.31284	74.97081	13:36:58	D	3.40
97	BATHINDA	GONIANA MANDI	S-NPP	30.31616	74.97016	13:36:58	D	3.40
98	BATHINDA	GONIANA MANDI	S-NPP	30.35194	74.72382	13:36:58	D	4.30
99	BATHINDA	GONIANA MANDI	S-NPP	30.36037	74.80462	13:36:58	D	4.10
100	BATHINDA	MAUR	S-NPP	29.99596	75.22798	13:36:58	D	6.10
101	BATHINDA	MAUR	S-NPP	30.09084	75.09019	13:36:58	D	7.00
102	BATHINDA	NATHANA	S-NPP	30.30102	75.07148	13:36:58	D	9.00
103	BATHINDA	NATHANA	S-NPP	30.32718	75.15788	13:36:58	D	4.50
104	BATHINDA	NATHANA	S-NPP	30.35193	75.10018	13:36:58	D	6.40
105	BATHINDA	NATHANA	S-NPP	30.39813	75.11215	13:36:58	D	6.60
106	BATHINDA	PHUL	S-NPP	30.33084	75.20716	13:36:58	D	9.60
107	BATHINDA	PHUL	S-NPP	30.33185	75.19031	13:36:58	D	11.30
108	BATHINDA	PHUL	S-NPP	30.34120	75.16879	13:36:58	D	4.10
109	BATHINDA	PHUL	S-NPP	30.35353	75.26963	13:36:58	D	15.00
110	BATHINDA	PHUL	S-NPP	30.38277	75.24430	13:36:58	D	5.60
111	BATHINDA	PHUL	S-NPP	30.44938	75.20660	13:36:58	D	5.30
112	BATHINDA	PHUL	S-NPP	30.45012	75.23572	13:36:58	D	14.40
113	BATHINDA	RAMPURA	S-NPP	30.12387	75.29549	13:36:58	D	3.60
114	BATHINDA	RAMPURA	S-NPP	30.20662	75.28459	13:36:58	D	3.00
115	BATHINDA	RAMPURA	S-NPP	30.21095	75.36308	13:36:58	D	10.50
116	BATHINDA	RAMPURA	AQUA	30.26300	75.34000	13:26:59	D	58.00
117	BATHINDA	RAMPURA	AQUA	30.26500	75.33400	13:26:59	D	42.20
118	BATHINDA	SANGAT	S-NPP	30.03295	74.83353	13:36:58	D	15.80
119	BATHINDA	SANGAT	S-NPP	30.09513	74.86716	13:36:58	D	6.60
120	BATHINDA	TALWANDI SABO	S-NPP	29.94658	74.98145	13:36:58	D	9.10
121	BATHINDA	TALWANDI SABO	S-NPP	29.99813	74.99239	13:36:58	D	7.00
122	BATHINDA	TALWANDI SABO	S-NPP	29.99971	74.97974	13:36:58	D	4.10
123	BATHINDA	TALWANDI SABO	S-NPP	30.02274	75.11559	13:36:58	D	5.80
124	FARIDKOT	FARIDKOT	S-NPP	30.63105	74.74034	13:36:58	D	6.60
125	FARIDKOT	FARIDKOT	S-NPP	30.66065	74.92123	13:36:58	D	7.40
126	FARIDKOT	FARIDKOT	S-NPP	30.66091	74.80493	13:36:58	D	4.10
127	FARIDKOT	FARIDKOT	S-NPP	30.68179	74.78429	13:36:58	D	11.10
128	FARIDKOT	FARIDKOT	S-NPP	30.70084	74.68120	13:36:58	D	4.60

129	FARIDKOT	FARIDKOT	S-NPP	30.70150	74.75560	13:36:58	D	5.10
130	FARIDKOT	FARIDKOT	S-NPP	30.70511	74.48255	13:36:58	D	17.40
131	FARIDKOT	FARIDKOT	S-NPP	30.70842	74.48190	13:36:58	D	18.70
132	FARIDKOT	FARIDKOT	S-NPP	30.71325	74.83627	13:36:58	D	5.80
133	FARIDKOT	FARIDKOT	S-NPP	30.71515	74.55074	13:36:58	D	8.90
134	FARIDKOT	FARIDKOT	S-NPP	30.72091	74.77721	13:36:58	D	7.30
135	FARIDKOT	FARIDKOT	S-NPP	30.73158	74.47732	13:36:58	D	8.00
136	FARIDKOT	FARIDKOT	S-NPP	30.73488	74.47666	13:36:58	D	8.40
137	FARIDKOT	FARIDKOT	S-NPP	30.74160	74.73171	13:36:58	D	5.60
138	FARIDKOT	FARIDKOT	S-NPP	30.74730	74.56092	13:36:58	D	8.90
139	FARIDKOT	FARIDKOT	S-NPP	30.76269	74.80643	13:36:58	D	4.10
140	FARIDKOT	JAITON	S-NPP	30.44654	75.00747	13:36:58	D	3.10
141	FARIDKOT	JAITON	S-NPP	30.47298	74.97748	13:36:58	D	5.20
142	FARIDKOT	JAITON	S-NPP	30.48080	74.98428	13:36:58	D	3.40
143	FARIDKOT	JAITON	S-NPP	30.48412	74.98364	13:36:58	D	5.30
144	FARIDKOT	KOT KAPURA	S-NPP	30.51544	74.75856	13:36:58	D	6.00
145	FARIDKOT	KOT KAPURA	S-NPP	30.51603	74.76258	13:36:58	D	6.00
146	FARIDKOT	KOT KAPURA	S-NPP	30.53046	74.76803	13:36:58	D	4.10
147	FARIDKOT	KOT KAPURA	S-NPP	30.53084	74.81759	13:36:58	D	4.10
148	FARIDKOT	KOT KAPURA	S-NPP	30.55192	74.82178	13:36:58	D	8.80
149	FARIDKOT	KOT KAPURA	S-NPP	30.56245	74.89434	13:36:58	D	5.20
150	FATEHGARH SAHIB	AMLOH	S-NPP	30.59691	76.14004	13:36:58	D	27.30
151	FATEHGARH SAHIB	AMLOH	S-NPP	30.60033	76.13943	13:36:58	D	27.30
152	FATEHGARH SAHIB	AMLOH	S-NPP	30.65300	76.27081	13:36:58	D	3.90
153	FATEHGARH SAHIB	AMLOH	AQUA	30.56100	76.09300	13:26:59	D	29.70
154	FATEHGARH SAHIB	AMLOH	AQUA	30.56500	76.11100	13:26:59	D	19.70
155	FATEHGARH SAHIB	KHAMANON	S-NPP	30.73859	76.31421	13:36:58	D	4.50
156	FATEHGARH SAHIB	KHAMANON	S-NPP	30.83063	76.32973	13:36:58	D	2.30
157	FAZILKA	FAZILKA	S-NPP	30.36551	73.93360	13:36:58	D	1.60
158	FAZILKA	FAZILKA	S-NPP	30.39146	73.99429	13:36:58	D	2.60
159	FAZILKA	FAZILKA	S-NPP	30.47969	73.99282	13:36:58	D	4.70
160	FAZILKA	FAZILKA	S-NPP	30.48758	74.08970	13:36:58	D	3.90
161	FAZILKA	JALALABAD	S-NPP	30.63252	74.22083	13:36:58	D	5.50

162	FAZILKA	JALALABAD	S-NPP	30.64185	74.23993	13:36:58	D	4.90
163	FAZILKA	JALALABAD	S-NPP	30.64515	74.23927	13:36:58	D	4.20
164	FIROZPUR	FIROZPUR	S-NPP	30.82650	74.55045	13:36:58	D	18.20
165	FIROZPUR	FIROZPUR	S-NPP	30.96781	74.51884	13:36:58	D	1.50
166	FIROZPUR	FIROZPUR	S-NPP	31.04629	74.76138	13:36:58	D	1.80
167	FIROZPUR	GHALL KHURD	S-NPP	30.82797	74.92696	13:36:58	D	4.70
168	FIROZPUR	GHALL KHURD	S-NPP	30.84633	74.73304	13:36:58	D	4.50
169	FIROZPUR	GHALL KHURD	S-NPP	30.92914	74.76260	13:36:58	D	3.70
170	FIROZPUR	GHALL KHURD	S-NPP	30.93171	74.76260	13:36:58	D	2.20
171	FIROZPUR	GURUHAR SAHAI	S-NPP	30.59452	74.37643	13:36:58	D	3.80
172	FIROZPUR	GURUHAR SAHAI	S-NPP	30.59783	74.37578	13:36:58	D	14.90
173	FIROZPUR	GURUHAR SAHAI	S-NPP	30.61566	74.28997	13:36:58	D	9.10
174	FIROZPUR	GURUHAR SAHAI	S-NPP	30.63819	74.28136	13:36:58	D	5.90
175	FIROZPUR	GURUHAR SAHAI	S-NPP	30.64384	74.34193	13:36:58	D	4.20
176	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67368	74.43115	13:36:58	D	9.60
177	FIROZPUR	GURUHAR SAHAI	S-NPP	30.67699	74.43050	13:36:58	D	9.60
178	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68112	74.29790	13:36:58	D	12.90
179	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68443	74.29724	13:36:58	D	12.90
180	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71238	74.27930	13:36:58	D	6.10
181	FIROZPUR	GURUHAR SAHAI	S-NPP	30.74239	74.29800	13:36:58	D	4.00
182	FIROZPUR	MAKHU	S-NPP	31.06013	74.83382	13:36:58	D	3.00
183	FIROZPUR	MAKHU	S-NPP	31.06072	74.83789	13:36:58	D	4.20
184	FIROZPUR	MAKHU	S-NPP	31.07910	75.01454	13:36:58	D	3.40
185	FIROZPUR	MAKHU	S-NPP	31.12702	74.94229	13:36:58	D	4.90
186	FIROZPUR	MAKHU	S-NPP	31.13056	74.89548	13:36:58	D	20.40
187	FIROZPUR	MAMDOT	S-NPP	30.85804	74.44086	13:36:58	D	6.40
188	FIROZPUR	MAMDOT	S-NPP	30.86135	74.44021	13:36:58	D	6.40
189	FIROZPUR	MAMDOT	S-NPP	30.92275	74.49049	13:36:58	D	3.50
190	FIROZPUR	MAMDOT	AQUA	30.81300	74.43900	13:26:59	D	32.80
191	FIROZPUR	MAMDOT	AQUA	30.85300	74.44700	13:26:59	D	23.60
192	FIROZPUR	ZIRA	S-NPP	30.89651	74.91481	13:36:58	D	6.20
193	FIROZPUR	ZIRA	S-NPP	30.89845	74.95203	13:36:58	D	4.80
194	FIROZPUR	ZIRA	S-NPP	30.90767	74.92100	13:36:58	D	4.20

195	FIROZPUR	ZIRA	S-NPP	30.92431	74.91779	13:36:58	D	4.30
196	FIROZPUR	ZIRA	S-NPP	30.93070	75.03373	13:36:58	D	8.40
197	FIROZPUR	ZIRA	S-NPP	30.93228	75.02085	13:36:58	D	33.00
198	FIROZPUR	ZIRA	S-NPP	30.94562	75.01828	13:36:58	D	3.90
199	FIROZPUR	ZIRA	S-NPP	30.95954	75.01980	13:36:58	D	6.40
200	FIROZPUR	ZIRA	S-NPP	30.95968	74.95748	13:36:58	D	8.20
201	FIROZPUR	ZIRA	S-NPP	30.97500	74.92105	13:36:58	D	4.00
202	FIROZPUR	ZIRA	S-NPP	30.99362	74.88400	13:36:58	D	7.60
203	FIROZPUR	ZIRA	S-NPP	30.99789	74.93754	13:36:58	D	3.80
204	FIROZPUR	ZIRA	S-NPP	31.00122	74.93690	13:36:58	D	3.80
205	FIROZPUR	ZIRA	S-NPP	31.03726	74.92574	13:36:58	D	3.70
206	GURDASPUR	BATALA	S-NPP	31.73897	75.22702	13:36:58	D	2.70
207	GURDASPUR	BATALA	S-NPP	31.74586	75.25150	13:36:58	D	3.30
208	GURDASPUR	BATALA	S-NPP	31.77645	75.14322	13:36:58	D	9.00
209	GURDASPUR	DERA BABA NANAK	S-NPP	31.94182	75.00217	13:36:58	D	2.60
210	GURDASPUR	DERA BABA NANAK	S-NPP	31.97738	75.05953	13:36:58	D	2.90
211	GURDASPUR	DERA BABA NANAK	S-NPP	32.00420	75.05434	13:36:58	D	3.30
212	GURDASPUR	DERA BABA NANAK	S-NPP	32.04481	75.09808	13:36:58	D	2.20
213	GURDASPUR	DHARIWAL	S-NPP	31.93884	75.33357	13:36:58	D	2.10
214	GURDASPUR	DINA NAGAR	S-NPP	32.07179	75.46604	13:36:58	D	3.40
215	GURDASPUR	GURDASPUR	S-NPP	31.96097	75.46870	13:36:58	D	8.90
216	GURDASPUR	GURDASPUR	S-NPP	31.96155	75.47296	13:36:58	D	7.60
217	GURDASPUR	GURDASPUR	S-NPP	31.96493	75.47233	13:36:58	D	6.80
218	GURDASPUR	GURDASPUR	S-NPP	32.01460	75.30256	13:36:58	D	1.40
219	GURDASPUR	GURDASPUR	S-NPP	32.02020	75.41897	13:36:58	D	7.20
220	GURDASPUR	GURDASPUR	S-NPP	32.04866	75.47479	13:36:58	D	3.80
221	GURDASPUR	GURDASPUR	S-NPP	32.05602	75.47779	13:36:58	D	5.00
222	GURDASPUR	GURDASPUR	S-NPP	32.07107	75.43558	13:36:58	D	4.00
223	GURDASPUR	GURDASPUR	S-NPP	32.07445	75.43494	13:36:58	D	5.90
224	GURDASPUR	KAHNUWAN	S-NPP	31.83086	75.46101	13:36:58	D	2.80
225	GURDASPUR	KAHNUWAN	S-NPP	31.83796	75.41185	13:36:58	D	2.50
226	GURDASPUR	KAHNUWAN	S-NPP	31.85759	75.50399	13:36:58	D	4.10
227	GURDASPUR	KAHNUWAN	S-NPP	31.85818	75.50825	13:36:58	D	2.40

228	GURDASPUR	KAHNUWAN	S-NPP	31.85953	75.44255	13:36:58	D	10.00
229	GURDASPUR	KAHNUWAN	S-NPP	31.86156	75.50761	13:36:58	D	2.10
230	GURDASPUR	KAHNUWAN	S-NPP	31.87759	75.54831	13:36:58	D	3.90
231	GURDASPUR	KAHNUWAN	S-NPP	31.88968	75.48486	13:36:58	D	10.50
232	GURDASPUR	KAHNUWAN	S-NPP	31.89188	75.47572	13:36:58	D	1.80
233	GURDASPUR	KAHNUWAN	S-NPP	31.89675	75.53596	13:36:58	D	9.10
234	GURDASPUR	KAHNUWAN	S-NPP	31.90294	75.53043	13:36:58	D	8.20
235	GURDASPUR	KAHNUWAN	S-NPP	31.90359	75.53197	13:36:58	D	15.00
236	GURDASPUR	KAHNUWAN	S-NPP	31.95302	75.46146	13:36:58	D	3.20
237	GURDASPUR	KAHNUWAN	S-NPP	31.95699	75.46508	13:36:58	D	8.90
238	GURDASPUR	KAHNUWAN	S-NPP	31.95758	75.46935	13:36:58	D	8.90
239	GURDASPUR	KAHNUWAN	S-NPP	31.95770	75.49554	13:36:58	D	1.60
240	GURDASPUR	KAHNUWAN	S-NPP	31.95875	75.47787	13:36:58	D	7.60
241	GURDASPUR	KAHNUWAN	AQUA	31.95300	75.46100	13:26:59	D	50.60
242	GURDASPUR	KAHNUWAN	AQUA	31.95600	75.48000	13:26:59	D	20.60
243	GURDASPUR	KALANAUR	S-NPP	31.94422	75.19852	13:36:58	D	3.50
244	GURDASPUR	QADIAN	S-NPP	31.78024	75.34478	13:36:58	D	2.50
245	GURDASPUR	QADIAN	S-NPP	31.80235	75.53183	13:36:58	D	2.00
246	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.63219	75.41018	13:36:58	D	5.60
247	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.67397	75.35563	13:36:58	D	4.30
248	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71560	75.25726	13:36:58	D	4.60
249	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.71896	75.25662	13:36:58	D	6.20
250	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74412	75.43755	13:36:58	D	3.40
251	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74763	75.46293	13:36:58	D	3.60
252	HOSHIARPUR	DASUYA	S-NPP	31.74542	75.59855	13:36:58	D	9.00
253	HOSHIARPUR	DASUYA	S-NPP	31.74881	75.59792	13:36:58	D	9.00
254	HOSHIARPUR	DASUYA	S-NPP	31.75056	75.61071	13:36:58	D	1.70
255	HOSHIARPUR	DASUYA	S-NPP	31.75395	75.61008	13:36:58	D	4.60
256	HOSHIARPUR	DASUYA	S-NPP	31.75735	75.60945	13:36:58	D	4.60
257	HOSHIARPUR	DASUYA	S-NPP	31.75793	75.61372	13:36:58	D	3.50
258	HOSHIARPUR	DASUYA	S-NPP	31.76074	75.60882	13:36:58	D	27.40
259	HOSHIARPUR	DASUYA	S-NPP	31.76133	75.61308	13:36:58	D	30.80
260	HOSHIARPUR	DASUYA	S-NPP	31.76355	75.60391	13:36:58	D	27.40

261	HOSHIARPUR	DASUYA	S-NPP	31.76472	75.61246	13:36:58	D	30.80
262	HOSHIARPUR	DASUYA	S-NPP	31.76530	75.61671	13:36:58	D	30.80
263	HOSHIARPUR	DASUYA	S-NPP	31.76694	75.60327	13:36:58	D	38.30
264	HOSHIARPUR	DASUYA	S-NPP	31.76752	75.60755	13:36:58	D	38.30
265	HOSHIARPUR	DASUYA	S-NPP	31.76870	75.61608	13:36:58	D	15.90
266	HOSHIARPUR	DASUYA	S-NPP	31.77092	75.60692	13:36:58	D	38.30
267	HOSHIARPUR	DASUYA	S-NPP	31.77150	75.61118	13:36:58	D	15.90
268	HOSHIARPUR	DASUYA	S-NPP	31.77197	75.58922	13:36:58	D	1.40
269	HOSHIARPUR	DASUYA	S-NPP	31.79231	75.58541	13:36:58	D	11.90
270	HOSHIARPUR	DASUYA	S-NPP	31.80190	75.57924	13:36:58	D	5.60
271	HOSHIARPUR	DASUYA	S-NPP	31.80193	75.58000	13:36:58	D	6.20
272	HOSHIARPUR	DASUYA	S-NPP	31.88311	75.63940	13:36:58	D	3.20
273	HOSHIARPUR	DASUYA	AQUA	31.75800	75.60700	13:26:59	D	87.70
274	HOSHIARPUR	GARH SHANKAR	S-NPP	31.25813	76.14191	13:36:58	D	1.50
275	HOSHIARPUR	HAJIPUR	S-NPP	31.93851	75.66161	13:36:58	D	3.90
276	HOSHIARPUR	MAHILPUR	S-NPP	31.32745	75.90444	13:36:58	D	4.90
277	HOSHIARPUR	MAHILPUR	S-NPP	31.42302	76.04169	13:36:58	D	2.80
278	HOSHIARPUR	MUKERIAN	S-NPP	31.88580	75.60815	13:36:58	D	9.30
279	HOSHIARPUR	MUKERIAN	S-NPP	31.91616	75.57344	13:36:58	D	3.20
280	HOSHIARPUR	MUKERIAN	S-NPP	31.92375	75.65556	13:36:58	D	6.30
281	HOSHIARPUR	MUKERIAN	S-NPP	31.93545	75.58738	13:36:58	D	3.10
282	HOSHIARPUR	MUKERIAN	S-NPP	31.98098	75.64046	13:36:58	D	3.10
283	HOSHIARPUR	TANDA	S-NPP	31.61095	75.58341	13:36:58	D	7.20
284	HOSHIARPUR	TANDA	S-NPP	31.61219	75.61805	13:36:58	D	5.60
285	HOSHIARPUR	TANDA	S-NPP	31.61434	75.58278	13:36:58	D	6.90
286	HOSHIARPUR	TANDA	S-NPP	31.61558	75.61742	13:36:58	D	5.60
287	HOSHIARPUR	TANDA	S-NPP	31.62625	75.59363	13:36:58	D	6.50
288	HOSHIARPUR	TANDA	S-NPP	31.62963	75.59300	13:36:58	D	11.90
289	HOSHIARPUR	TANDA	S-NPP	31.63021	75.59725	13:36:58	D	11.90
290	HOSHIARPUR	TANDA	S-NPP	31.63186	75.58386	13:36:58	D	3.00
291	HOSHIARPUR	TANDA	S-NPP	31.63477	75.60513	13:36:58	D	2.70
292	HOSHIARPUR	TANDA	S-NPP	31.63582	75.58749	13:36:58	D	1.40
293	HOSHIARPUR	TANDA	S-NPP	31.63874	75.60875	13:36:58	D	7.10

294	HOSHIARPUR	TANDA	S-NPP	31.64213	75.60811	13:36:58	D	7.10
295	HOSHIARPUR	TANDA	S-NPP	31.64260	75.58621	13:36:58	D	3.10
296	HOSHIARPUR	TANDA	S-NPP	31.64552	75.60748	13:36:58	D	4.90
297	HOSHIARPUR	TANDA	S-NPP	31.64610	75.61174	13:36:58	D	4.90
298	HOSHIARPUR	TANDA	S-NPP	31.65277	75.58431	13:36:58	D	6.50
299	HOSHIARPUR	TANDA	S-NPP	31.65335	75.58857	13:36:58	D	18.20
300	HOSHIARPUR	TANDA	S-NPP	31.65674	75.58794	13:36:58	D	4.30
301	HOSHIARPUR	TANDA	S-NPP	31.66293	75.58241	13:36:58	D	14.20
302	HOSHIARPUR	TANDA	S-NPP	31.66352	75.58666	13:36:58	D	21.80
303	HOSHIARPUR	TANDA	S-NPP	31.66632	75.58178	13:36:58	D	14.20
304	HOSHIARPUR	TANDA	S-NPP	31.66690	75.58603	13:36:58	D	21.80
305	HOSHIARPUR	TANDA	S-NPP	31.69679	75.59890	13:36:58	D	6.20
306	HOSHIARPUR	TANDA	S-NPP	31.70927	75.61404	13:36:58	D	3.70
307	HOSHIARPUR	TANDA	S-NPP	31.70985	75.61832	13:36:58	D	3.70
308	HOSHIARPUR	TANDA	S-NPP	31.71829	75.60362	13:36:58	D	3.50
309	HOSHIARPUR	TANDA	S-NPP	31.73408	75.59193	13:36:58	D	4.00
310	HOSHIARPUR	TANDA	S-NPP	31.73573	75.57850	13:36:58	D	4.60
311	HOSHIARPUR	TANDA	S-NPP	31.73854	75.57361	13:36:58	D	4.60
312	HOSHIARPUR	TANDA	AQUA	31.62400	75.59100	13:26:59	D	30.60
313	HOSHIARPUR	TANDA	AQUA	31.64000	75.60600	13:26:59	D	30.20
314	HOSHIARPUR	TANDA	AQUA	31.65900	75.58100	13:26:59	D	28.00
315	JALANDHAR	BHOGPUR	S-NPP	31.52197	75.69529	13:36:58	D	12.40
316	JALANDHAR	BHOGPUR	S-NPP	31.52595	75.69893	13:36:58	D	14.90
317	JALANDHAR	BHOGPUR	S-NPP	31.52653	75.70319	13:36:58	D	14.90
318	JALANDHAR	BHOGPUR	S-NPP	31.57873	75.60183	13:36:58	D	7.00
319	JALANDHAR	BHOGPUR	S-NPP	31.57932	75.60608	13:36:58	D	7.00
320	JALANDHAR	BHOGPUR	S-NPP	31.58212	75.60120	13:36:58	D	7.00
321	JALANDHAR	BHOGPUR	S-NPP	31.59080	75.63882	13:36:58	D	3.50
322	JALANDHAR	BHOGPUR	S-NPP	31.60170	75.63815	02:26:58	N	0.50
323	JALANDHAR	BHOGPUR	S-NPP	31.60454	75.62140	02:26:58	N	0.60
324	JALANDHAR	BHOGPUR	S-NPP	31.60484	75.61507	13:36:58	D	4.70
325	JALANDHAR	BHOGPUR	S-NPP	31.60541	75.61932	13:36:58	D	4.70
326	JALANDHAR	BHOGPUR	S-NPP	31.60765	75.61018	13:36:58	D	5.00

327	JALANDHAR	JALANDHAR EAST	S-NPP	31.26206	75.55058	13:36:58	D	2.60
328	JALANDHAR	JALANDHAR WEST	S-NPP	31.45159	75.49039	13:36:58	D	2.70
329	JALANDHAR	MEHATPUR	S-NPP	30.98133	75.48945	13:36:58	D	2.60
330	JALANDHAR	NAKODAR	S-NPP	31.11795	75.49452	13:36:58	D	3.60
331	JALANDHAR	NAKODAR	S-NPP	31.16376	75.54663	13:36:58	D	2.90
332	JALANDHAR	NAKODAR	S-NPP	31.18252	75.45724	13:36:58	D	6.80
333	JALANDHAR	PHILLAUR	S-NPP	31.06811	75.86611	13:36:58	D	5.40
334	JALANDHAR	PHILLAUR	S-NPP	31.07151	75.86549	13:36:58	D	5.40
335	JALANDHAR	SHAHKOT	S-NPP	31.10319	75.26705	13:36:58	D	2.80
336	KAPURTHALA	DHILWAN	S-NPP	31.38214	75.21622	13:36:58	D	3.80
337	KAPURTHALA	DHILWAN	S-NPP	31.47653	75.31429	13:36:58	D	5.40
338	KAPURTHALA	DHILWAN	AQUA	31.47000	75.31700	13:26:59	D	24.20
339	KAPURTHALA	DHILWAN	AQUA	31.47400	75.30900	13:26:59	D	27.00
340	KAPURTHALA	KAPURTHALA	S-NPP	31.27444	75.29099	13:36:58	D	3.50
341	KAPURTHALA	NADALA	S-NPP	31.57932	75.58510	02:26:58	N	1.60
342	KAPURTHALA	NADALA	S-NPP	31.58216	75.56840	02:26:58	N	0.50
343	KAPURTHALA	NADALA	S-NPP	31.58478	75.57023	13:36:58	D	4.70
344	KAPURTHALA	NADALA	S-NPP	31.58494	75.57086	13:36:58	D	3.40
345	KAPURTHALA	NADALA	S-NPP	31.59789	75.41236	13:36:58	D	27.90
346	KAPURTHALA	NADALA	S-NPP	31.60390	75.50647	13:36:58	D	18.30
347	KAPURTHALA	NADALA	S-NPP	31.60690	75.55370	13:36:58	D	4.00
348	KAPURTHALA	NADALA	S-NPP	31.60728	75.50584	13:36:58	D	18.30
349	KAPURTHALA	NADALA	S-NPP	31.60738	75.53187	13:36:58	D	3.80
350	KAPURTHALA	NADALA	S-NPP	31.60748	75.55795	13:36:58	D	4.00
351	KAPURTHALA	NADALA	S-NPP	31.61018	75.52699	13:36:58	D	3.80
352	KAPURTHALA	NADALA	S-NPP	31.61076	75.53123	13:36:58	D	3.80
353	KAPURTHALA	NADALA	S-NPP	31.61086	75.55730	13:36:58	D	2.30
354	KAPURTHALA	NADALA	S-NPP	31.61656	75.57365	13:36:58	D	11.10
355	KAPURTHALA	NADALA	S-NPP	31.61763	75.55604	13:36:58	D	5.90
356	KAPURTHALA	NADALA	S-NPP	31.63164	75.53167	13:36:58	D	7.60
357	KAPURTHALA	NADALA	AQUA	31.60000	75.50100	13:26:59	D	21.00
358	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.24515	75.25397	13:36:58	D	9.50
359	LUDHIANA	DEHLON	S-NPP	30.75761	75.91124	13:36:58	D	2.90



360	LUDHIANA	DEHLON	S-NPP	30.76989	75.87482	13:36:58	D	5.70
361	LUDHIANA	DORAHA	S-NPP	30.62859	76.03817	13:36:58	D	6.40
362	LUDHIANA	DORAHA	S-NPP	30.74203	76.00105	13:36:58	D	9.60
363	LUDHIANA	JAGRAON	S-NPP	30.64916	75.43031	13:36:58	D	9.30
364	LUDHIANA	JAGRAON	S-NPP	30.64974	75.43443	13:36:58	D	9.10
365	LUDHIANA	JAGRAON	S-NPP	30.67367	75.40879	13:36:58	D	10.00
366	LUDHIANA	JAGRAON	S-NPP	30.68534	75.39391	13:36:58	D	9.60
367	LUDHIANA	JAGRAON	S-NPP	30.69306	75.47290	13:36:58	D	5.20
368	LUDHIANA	JAGRAON	S-NPP	30.69408	75.45575	13:36:58	D	7.60
369	LUDHIANA	JAGRAON	S-NPP	30.70532	75.46212	13:36:58	D	3.80
370	LUDHIANA	JAGRAON	S-NPP	30.72295	75.40833	13:36:58	D	6.90
371	LUDHIANA	JAGRAON	S-NPP	30.72410	75.41659	13:36:58	D	8.00
372	LUDHIANA	JAGRAON	S-NPP	30.73900	75.49866	13:36:58	D	7.30
373	LUDHIANA	JAGRAON	S-NPP	30.73984	75.43057	13:36:58	D	3.30
374	LUDHIANA	JAGRAON	S-NPP	30.74294	75.50217	13:36:58	D	5.80
375	LUDHIANA	JAGRAON	S-NPP	30.76043	75.52869	13:36:58	D	4.70
376	LUDHIANA	JAGRAON	S-NPP	30.79606	75.58603	13:36:58	D	5.60
377	LUDHIANA	JAGRAON	S-NPP	30.79852	75.40684	13:36:58	D	10.60
378	LUDHIANA	JAGRAON	S-NPP	30.80896	75.39710	13:36:58	D	7.30
379	LUDHIANA	JAGRAON	AQUA	30.68800	75.45400	13:26:59	D	16.60
380	LUDHIANA	JAGRAON	AQUA	30.83200	75.51300	13:26:59	D	22.80
381	LUDHIANA	LUDHIANA-1	S-NPP	30.82469	75.84310	13:36:58	D	3.80
382	LUDHIANA	LUDHIANA-1	S-NPP	30.86065	75.77252	13:36:58	D	2.90
383	LUDHIANA	LUDHIANA-2	S-NPP	30.92586	75.69146	13:36:58	D	11.60
384	LUDHIANA	LUDHIANA-2	S-NPP	30.96448	75.87054	13:36:58	D	6.20
385	LUDHIANA	LUDHIANA-2	S-NPP	30.97657	75.73100	13:36:58	D	8.80
386	LUDHIANA	LUDHIANA-2	AQUA	30.96900	75.73700	13:26:59	D	19.60
387	LUDHIANA	MACHHIWARA	S-NPP	30.86195	76.16872	13:36:58	D	2.90
388	LUDHIANA	MALOD	S-NPP	30.65867	76.02837	13:36:58	D	4.10
389	LUDHIANA	MALOD	S-NPP	30.66207	76.02775	13:36:58	D	4.10
390	LUDHIANA	MALOD	S-NPP	30.69243	75.89280	13:36:58	D	5.50
391	LUDHIANA	MALOD	AQUA	30.57600	75.94700	13:26:59	D	14.30
392	LUDHIANA	PAKHOWAL	S-NPP	30.63598	75.73863	13:36:58	D	6.00

393	LUDHIANA	PAKHOWAL	S-NPP	30.63675	75.73928	13:36:58	D	6.20
394	LUDHIANA	PAKHOWAL	S-NPP	30.64517	75.72485	13:36:58	D	7.00
395	LUDHIANA	PAKHOWAL	S-NPP	30.64912	75.72841	13:36:58	D	7.10
396	LUDHIANA	PAKHOWAL	S-NPP	30.65250	75.72779	13:36:58	D	7.10
397	LUDHIANA	PAKHOWAL	S-NPP	30.77234	75.71468	13:36:58	D	2.10
398	LUDHIANA	PAKHOWAL	S-NPP	30.77572	75.71407	13:36:58	D	9.40
399	LUDHIANA	PAKHOWAL	S-NPP	30.77579	75.73986	13:36:58	D	2.70
400	LUDHIANA	PAKHOWAL	S-NPP	30.79733	75.77036	13:36:58	D	5.30
401	LUDHIANA	PAKHOWAL	S-NPP	30.80864	75.77689	13:36:58	D	14.00
402	LUDHIANA	RAIKOT	S-NPP	30.59266	75.50375	13:36:58	D	7.40
403	LUDHIANA	RAIKOT	S-NPP	30.60851	75.48449	13:36:58	D	15.10
404	LUDHIANA	RAIKOT	S-NPP	30.61187	75.48386	13:36:58	D	15.10
405	LUDHIANA	RAIKOT	S-NPP	30.61641	75.64815	13:36:58	D	26.20
406	LUDHIANA	RAIKOT	S-NPP	30.61978	75.64753	13:36:58	D	5.00
407	LUDHIANA	RAIKOT	S-NPP	30.62759	75.67245	13:36:58	D	4.30
408	LUDHIANA	RAIKOT	S-NPP	30.63490	75.50076	13:36:58	D	4.70
409	LUDHIANA	RAIKOT	S-NPP	30.63657	75.66223	13:36:58	D	9.80
410	LUDHIANA	RAIKOT	S-NPP	30.64708	75.46456	13:36:58	D	9.00
411	LUDHIANA	RAIKOT	S-NPP	30.65044	75.46394	13:36:58	D	9.00
412	LUDHIANA	RAIKOT	S-NPP	30.69623	75.54453	13:36:58	D	5.40
413	LUDHIANA	RAIKOT	S-NPP	30.70296	75.54328	13:36:58	D	4.20
414	LUDHIANA	RAIKOT	AQUA	30.64500	75.51300	13:26:59	D	24.20
415	LUDHIANA	SIDHWAN BET	S-NPP	30.84689	75.49624	13:36:58	D	2.80
416	LUDHIANA	SIDHWAN BET	S-NPP	30.89747	75.51237	13:36:58	D	6.10
417	LUDHIANA	SIDHWAN BET	S-NPP	30.91646	75.39510	13:36:58	D	5.20
418	LUDHIANA	SIDHWAN BET	S-NPP	30.92680	75.64826	13:36:58	D	3.50
419	LUDHIANA	SIDHWAN BET	S-NPP	30.94252	75.63675	13:36:58	D	2.70
420	LUDHIANA	SIDHWAN BET	S-NPP	30.94355	75.61938	13:36:58	D	8.60
421	LUDHIANA	SIDHWAN BET	S-NPP	30.94357	75.61645	13:36:58	D	7.40
422	LUDHIANA	SUDHAR	S-NPP	30.76410	75.60479	13:36:58	D	3.70
423	MANSA	BHIKHI	S-NPP	29.98449	75.48401	13:36:58	D	8.00
424	MANSA	BHIKHI	S-NPP	30.14625	75.40392	13:36:58	D	7.00
425	MANSA	BUDHLADA	S-NPP	29.79565	75.43436	13:36:58	D	9.10

426	MANSA	BUDHLADA	S-NPP	29.89951	75.50277	13:36:58	D	8.70
427	MANSA	BUDHLADA	AQUA	29.95900	75.55500	13:26:59	D	28.70
428	MANSA	JHUNIR	S-NPP	29.89586	75.33278	13:36:58	D	8.80
429	MANSA	MANSA	S-NPP	30.05551	75.32088	13:36:58	D	3.70
430	MANSA	SARDULGARH	S-NPP	29.65224	75.23752	13:36:58	D	3.00
431	MANSA	SARDULGARH	S-NPP	29.70656	75.30567	13:36:58	D	7.10
432	MOGA	BAGHA PURANA	S-NPP	30.53321	75.01577	13:36:58	D	3.30
433	MOGA	BAGHA PURANA	S-NPP	30.53551	75.01585	13:36:58	D	28.00
434	MOGA	BAGHA PURANA	S-NPP	30.53725	75.02799	13:36:58	D	3.40
435	MOGA	BAGHA PURANA	S-NPP	30.59092	74.99688	13:36:58	D	3.70
436	MOGA	BAGHA PURANA	S-NPP	30.59699	74.99155	13:36:58	D	5.70
437	MOGA	BAGHA PURANA	S-NPP	30.63932	75.16708	13:36:58	D	7.80
438	MOGA	BAGHA PURANA	S-NPP	30.64658	75.16988	13:36:58	D	5.10
439	MOGA	BAGHA PURANA	S-NPP	30.67233	75.09827	13:36:58	D	26.10
440	MOGA	BAGHA PURANA	S-NPP	30.67737	75.01379	13:36:58	D	3.80
441	MOGA	BAGHA PURANA	S-NPP	30.67928	75.14716	13:36:58	D	10.50
442	MOGA	BAGHA PURANA	S-NPP	30.68146	75.13837	13:36:58	D	6.80
443	MOGA	BAGHA PURANA	S-NPP	30.69094	74.96533	13:36:58	D	5.00
444	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.86691	75.24659	13:36:58	D	8.30
445	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.95579	75.20980	13:36:58	D	3.30
446	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.97587	75.20599	13:36:58	D	6.60
447	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.99324	75.30421	13:36:58	D	2.60
448	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.01701	75.14389	13:36:58	D	6.60
449	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.96900	75.14200	13:26:59	D	20.40
450	MOGA	MOGA-1	S-NPP	30.72215	75.35352	13:36:58	D	6.60
451	MOGA	MOGA-1	S-NPP	30.72383	75.14705	13:36:58	D	3.90
452	MOGA	MOGA-1	S-NPP	30.73328	75.23762	13:36:58	D	7.90
453	MOGA	MOGA-1	S-NPP	30.74025	75.28682	13:36:58	D	5.90
454	MOGA	MOGA-1	S-NPP	30.74999	75.33138	13:36:58	D	3.20
455	MOGA	MOGA-1	S-NPP	30.75640	75.27954	13:36:58	D	8.00
456	MOGA	MOGA-1	S-NPP	30.76889	75.22244	13:36:58	D	3.00
457	MOGA	MOGA-1	S-NPP	30.80366	75.21227	13:36:58	D	9.60
458	MOGA	MOGA-1	S-NPP	30.82089	75.31020	13:36:58	D	5.90

459	MOGA	MOGA-1	AQUA	30.75100	75.30100	13:26:59	D	24.60
460	MOGA	MOGA-2	S-NPP	30.75487	75.12436	13:36:58	D	6.20
461	MOGA	MOGA-2	S-NPP	30.75756	75.03237	13:36:58	D	14.30
462	MOGA	MOGA-2	S-NPP	30.79802	75.09995	13:36:58	D	4.30
463	MOGA	MOGA-2	S-NPP	30.80095	74.95303	13:36:58	D	4.20
464	MOGA	MOGA-2	S-NPP	30.80428	74.95239	13:36:58	D	4.00
465	MOGA	MOGA-2	S-NPP	30.80679	74.99365	13:36:58	D	3.90
466	MOGA	MOGA-2	S-NPP	30.82595	75.03178	13:36:58	D	4.00
467	MOGA	MOGA-2	S-NPP	30.86430	75.00043	13:36:58	D	10.60
468	MOGA	MOGA-2	S-NPP	30.87456	74.95247	13:36:58	D	4.90
469	MOGA	NIHAL SINGH	S-NPP	30.51934	75.27730	13:36:58	D	7.10
470	MOGA	NIHAL SINGH	S-NPP	30.53213	75.27068	13:36:58	D	13.20
471	MOGA	NIHAL SINGH	S-NPP	30.53588	75.34556	13:36:58	D	8.90
472	MOGA	NIHAL SINGH	S-NPP	30.54227	75.19756	13:36:58	D	11.40
473	MOGA	NIHAL SINGH	S-NPP	30.54433	75.25998	13:36:58	D	6.20
474	MOGA	NIHAL SINGH	S-NPP	30.54724	75.28040	13:36:58	D	15.50
475	MOGA	NIHAL SINGH	S-NPP	30.54811	75.33484	13:36:58	D	8.00
476	MOGA	NIHAL SINGH	S-NPP	30.55478	75.23705	13:36:58	D	14.20
477	MOGA	NIHAL SINGH	S-NPP	30.58539	75.29475	13:36:58	D	5.50
478	MOGA	NIHAL SINGH	S-NPP	30.60738	75.23181	13:36:58	D	3.00
479	MOGA	NIHAL SINGH	S-NPP	30.63409	75.32342	13:36:58	D	4.70
480	MOGA	NIHAL SINGH	S-NPP	30.64440	75.37206	13:36:58	D	6.50
481	MOGA	NIHAL SINGH	S-NPP	30.65054	75.26982	13:36:58	D	3.10
482	MOGA	NIHAL SINGH	S-NPP	30.66434	75.24619	13:36:58	D	2.80
483	MOGA	NIHAL SINGH	S-NPP	30.69085	75.22886	13:36:58	D	4.60
484	MOGA	NIHAL SINGH	S-NPP	30.69972	75.21877	13:36:58	D	5.20
485	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.22959	74.72202	13:36:58	D	6.00
486	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.23291	74.72137	13:36:58	D	6.00
487	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.27625	74.60294	13:36:58	D	18.50
488	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.29462	74.68152	13:36:58	D	4.60
489	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.31817	74.65636	13:36:58	D	4.70
490	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.34921	74.72848	13:36:58	D	10.00
491	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.38036	74.66901	13:36:58	D	3.50

492	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.38080	74.73468	13:36:58	D	4.90
493	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.38176	74.71802	13:36:58	D	7.30
494	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.38235	74.72202	13:36:58	D	7.30
495	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.38467	74.72170	13:36:58	D	3.30
496	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.41010	74.59322	13:36:58	D	4.30
497	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.42812	74.69262	13:36:58	D	5.10
498	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.45453	74.61743	13:36:58	D	5.30
499	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.34000	74.73100	13:26:59	D	22.10
500	MUKTSAR	MALOUT	S-NPP	30.17935	74.54319	13:36:58	D	6.90
501	MUKTSAR	MUKTSAR	S-NPP	30.48734	74.63612	13:36:58	D	7.80
502	MUKTSAR	MUKTSAR	S-NPP	30.48820	74.73040	13:36:58	D	13.70
503	MUKTSAR	MUKTSAR	S-NPP	30.50079	74.65822	13:36:58	D	4.70
504	MUKTSAR	MUKTSAR	S-NPP	30.57425	74.44629	13:36:58	D	9.30
505	MUKTSAR	MUKTSAR	S-NPP	30.61750	74.46243	13:36:58	D	4.40
506	MUKTSAR	MUKTSAR	S-NPP	30.62021	74.45778	13:36:58	D	4.40
507	MUKTSAR	MUKTSAR	AQUA	30.61600	74.45800	13:26:59	D	26.90
508	PATHANKOT	BAMIAL	S-NPP	32.29916	75.39851	13:36:58	D	1.20
509	PATHANKOT	NAROT JAIMAL SINGH	S-NPP	32.25958	75.38847	13:36:58	D	3.50
510	PATHANKOT	NAROT JAIMAL SINGH	S-NPP	32.26297	75.38783	13:36:58	D	15.60
511	PATIALA	BHUNARHERI	S-NPP	30.19016	76.60085	13:36:58	D	6.20
512	PATIALA	BHUNARHERI	S-NPP	30.24919	76.42255	13:36:58	D	5.90
513	PATIALA	NABHA	S-NPP	30.34142	76.25319	13:36:58	D	13.10
514	PATIALA	NABHA	S-NPP	30.35181	76.09869	13:36:58	D	7.80
515	PATIALA	NABHA	S-NPP	30.40607	76.19411	13:36:58	D	6.70
516	PATIALA	NABHA	S-NPP	30.51508	76.12359	13:36:58	D	6.20
517	PATIALA	NABHA	S-NPP	30.53403	76.21217	13:36:58	D	7.30
518	PATIALA	NABHA	S-NPP	30.53745	76.21156	13:36:58	D	7.30
519	PATIALA	NABHA	S-NPP	30.54324	76.25452	13:36:58	D	4.80
520	PATIALA	PATIALA	S-NPP	30.31469	76.31503	13:36:58	D	9.20
521	PATIALA	PATIALA	S-NPP	30.32042	76.33159	13:36:58	D	5.60
522	PATIALA	PATIALA	S-NPP	30.41362	76.35541	13:36:58	D	7.10
523	PATIALA	PATIALA	S-NPP	30.42797	76.43708	13:36:58	D	16.30
524	PATIALA	PATIALA	S-NPP	30.42854	76.44142	13:36:58	D	7.00

525	PATIALA	PATRAN	S-NPP	29.92268	76.16792	13:36:58	D	9.80
526	PATIALA	PATRAN	S-NPP	29.97508	76.12033	13:36:58	D	10.70
527	PATIALA	RAJPURA	S-NPP	30.59251	76.62499	13:36:58	D	3.60
528	PATIALA	SAMANA	S-NPP	30.07512	76.11246	13:36:58	D	9.30
529	PATIALA	SAMANA	S-NPP	30.17186	76.13457	13:36:58	D	5.80
530	RUPNAGAR	ANANDPUR SAHIB	S-NPP	31.31423	76.40627	13:36:58	D	1.90
531	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.96620	76.35156	13:36:58	D	33.20
532	SANGRUR	ANDANA	S-NPP	29.78111	75.90222	13:36:58	D	10.30
533	SANGRUR	BHAWANIGARH	S-NPP	30.26665	76.08805	13:36:58	D	16.80
534	SANGRUR	BHAWANIGARH	S-NPP	30.27750	76.14249	13:36:58	D	9.90
535	SANGRUR	DHURI	S-NPP	30.29726	75.73061	13:36:58	D	3.90
536	SANGRUR	DHURI	S-NPP	30.33986	75.93663	13:36:58	D	6.30
537	SANGRUR	DHURI	S-NPP	30.33993	75.93716	13:36:58	D	5.40
538	SANGRUR	DHURI	S-NPP	30.37908	75.79275	13:36:58	D	5.00
539	SANGRUR	DHURI	S-NPP	30.38522	75.96338	13:36:58	D	4.20
540	SANGRUR	DHURI	S-NPP	30.38642	75.79568	13:36:58	D	7.20
541	SANGRUR	DHURI	S-NPP	30.38700	75.79984	13:36:58	D	7.20
542	SANGRUR	DHURI	S-NPP	30.38980	75.79505	13:36:58	D	7.00
543	SANGRUR	DIRBA	S-NPP	30.01662	75.93847	13:36:58	D	11.60
544	SANGRUR	DIRBA	S-NPP	30.06577	75.96800	13:36:58	D	13.60
545	SANGRUR	DIRBA	S-NPP	30.11270	75.98089	13:36:58	D	14.00
546	SANGRUR	LEHRA GAGA	S-NPP	29.86152	75.77811	13:36:58	D	8.00
547	SANGRUR	MALERKOTLA-1	S-NPP	30.43629	75.85507	13:36:58	D	8.60
548	SANGRUR	MALERKOTLA-1	S-NPP	30.43701	75.85632	13:36:58	D	12.00
549	SANGRUR	MALERKOTLA-1	S-NPP	30.43952	75.95348	13:36:58	D	6.90
550	SANGRUR	MALERKOTLA-1	S-NPP	30.44958	75.94876	13:36:58	D	7.20
551	SANGRUR	MALERKOTLA-1	S-NPP	30.47834	75.90469	13:36:58	D	3.20
552	SANGRUR	MALERKOTLA-1	S-NPP	30.48173	75.90407	13:36:58	D	3.20
553	SANGRUR	MALERKOTLA-1	S-NPP	30.53310	76.05060	13:36:58	D	7.60
554	SANGRUR	MALERKOTLA-1	S-NPP	30.53535	76.04149	13:36:58	D	8.60
555	SANGRUR	MALERKOTLA-1	S-NPP	30.56716	75.94513	13:36:58	D	10.10
556	SANGRUR	MALERKOTLA-1	S-NPP	30.58423	75.99403	13:36:58	D	32.90
557	SANGRUR	MALERKOTLA-1	S-NPP	30.58763	75.99342	13:36:58	D	32.90

558	SANGRUR	MALERKOTLA-1	AQUA	30.57000	75.95300	13:26:59	D	20.80
559	SANGRUR	MALERKOTLA-2	S-NPP	30.51825	75.84143	13:36:58	D	5.20
560	SANGRUR	MALERKOTLA-2	S-NPP	30.53332	75.80001	13:36:58	D	6.80
561	SANGRUR	MALERKOTLA-2	S-NPP	30.55668	75.79184	13:36:58	D	8.10
562	SANGRUR	MALERKOTLA-2	S-NPP	30.57673	75.71102	13:36:58	D	5.50
563	SANGRUR	MALERKOTLA-2	S-NPP	30.59650	75.72878	13:36:58	D	5.80
564	SANGRUR	MALERKOTLA-2	S-NPP	30.59678	75.80595	13:36:58	D	5.80
565	SANGRUR	MALERKOTLA-2	S-NPP	30.59735	75.81015	13:36:58	D	6.00
566	SANGRUR	MALERKOTLA-2	S-NPP	30.60074	75.80952	13:36:58	D	6.40
567	SANGRUR	MALERKOTLA-2	S-NPP	30.62047	75.80161	13:36:58	D	3.60
568	SANGRUR	MALERKOTLA-2	S-NPP	30.64586	75.78055	13:36:58	D	4.60
569	SANGRUR	MALERKOTLA-2	AQUA	30.53800	75.65900	13:26:59	D	20.50
570	SANGRUR	MALERKOTLA-2	AQUA	30.54200	75.65300	13:26:59	D	19.30
571	SANGRUR	MALERKOTLA-2	AQUA	30.57700	75.70500	13:26:59	D	25.90
572	SANGRUR	SANGRUR	S-NPP	30.20275	75.69710	13:36:58	D	4.20
573	SANGRUR	SANGRUR	S-NPP	30.25647	75.81053	13:36:58	D	5.70
574	SANGRUR	SANGRUR	S-NPP	30.29233	75.91951	13:36:58	D	7.50
575	SANGRUR	SANGRUR	S-NPP	30.32950	75.78478	13:36:58	D	12.80
576	SANGRUR	SHER PUR	S-NPP	30.31983	75.73967	13:36:58	D	4.40
577	SANGRUR	SHER PUR	S-NPP	30.38217	75.71539	13:36:58	D	8.70
578	SANGRUR	SHER PUR	S-NPP	30.41402	75.79488	13:36:58	D	12.60
579	SANGRUR	SHER PUR	S-NPP	30.42941	75.72501	13:36:58	D	9.40
580	SANGRUR	SHER PUR	S-NPP	30.43278	75.72440	13:36:58	D	15.10
581	SANGRUR	SHER PUR	S-NPP	30.43519	75.79234	13:36:58	D	5.60
582	SANGRUR	SHER PUR	AQUA	30.46700	75.67800	13:26:59	D	19.60
583	SANGRUR	SUNAM	S-NPP	30.01981	75.83564	13:36:58	D	9.20
584	SANGRUR	SUNAM	S-NPP	30.07360	75.77482	13:36:58	D	11.20
585	SANGRUR	SUNAM	S-NPP	30.09789	75.80007	13:36:58	D	4.20
586	SANGRUR	SUNAM	S-NPP	30.10126	75.79945	13:36:58	D	10.70
587	SANGRUR	SUNAM	S-NPP	30.10277	75.70638	13:36:58	D	6.70
588	SAS NAGAR (MOHALI)	DERABASSI	S-NPP	30.62977	76.80059	13:36:58	D	1.00
589	SBS NAGAR	BANGA	S-NPP	31.17891	75.85978	13:36:58	D	3.20
590	SBS NAGAR	NAWAN SHAHR	S-NPP	31.00866	76.11691	13:36:58	D	3.80

591	SBS NAGAR	SAROYA	S-NPP	31.10701	76.25643	13:36:58	D	3.70
592	TARN TARAN	BHIKHIWIND	S-NPP	31.30341	74.71250	13:36:58	D	4.10
593	TARN TARAN	CHOHLA SAHIB	S-NPP	31.17249	74.99654	13:36:58	D	5.30
594	TARN TARAN	CHOHLA SAHIB	S-NPP	31.21302	75.00191	13:36:58	D	6.10
595	TARN TARAN	CHOHLA SAHIB	S-NPP	31.28603	75.00890	13:36:58	D	8.10
596	TARN TARAN	CHOHLA SAHIB	S-NPP	31.31241	75.03862	13:36:58	D	3.50
597	TARN TARAN	KHADUR SAHIB	S-NPP	31.45398	75.17750	13:36:58	D	4.80
598	TARN TARAN	KHADUR SAHIB	S-NPP	31.48621	75.23537	13:36:58	D	3.40
599	TARN TARAN	KHADUR SAHIB	S-NPP	31.48910	75.15800	13:36:58	D	4.10
600	TARN TARAN	KHADUR SAHIB	S-NPP	31.49563	75.13120	13:36:58	D	1.00
601	TARN TARAN	PATTI	S-NPP	31.25164	74.74679	13:36:58	D	5.60
602	TARN TARAN	VALTOHA	S-NPP	31.13469	74.55299	13:36:58	D	1.80
603	TARN TARAN	VALTOHA	S-NPP	31.15434	74.52415	13:36:58	D	14.20
604	TARN TARAN	VALTOHA	S-NPP	31.16308	74.70148	13:36:58	D	7.20



### Details of residue burning events in Haryana on 08-May-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	AMBALA	AMBALA-I	S-NPP	30.41063	76.77177	13:36:58	D	2.10
2	AMBALA	AMBALA-II	S-NPP	30.25187	76.64846	02:26:58	N	0.70
3	AMBALA	AMBALA-II	AQUA	30.24800	76.64600	13:26:59	D	17.00
4	BHIWANI	BHIWANI	S-NPP	28.88858	76.34548	13:36:58	D	7.30
5	CHARKHI DADRI	DADRI-I	S-NPP	28.79194	76.34946	13:36:58	D	6.20
6	CHARKHI DADRI	DADRI-I	S-NPP	28.79533	76.34886	13:36:58	D	6.20
7	FATEHABAD	FATEHABAD	S-NPP	29.50695	75.31009	13:36:58	D	15.80
8	FATEHABAD	FATEHABAD	S-NPP	29.50752	75.31410	13:36:58	D	15.80
9	FATEHABAD	RATIA	S-NPP	29.64268	75.61210	13:36:58	D	6.80
10	FATEHABAD	RATIA	S-NPP	29.68115	75.43877	13:36:58	D	6.40
11	FATEHABAD	RATIA	S-NPP	29.69060	75.55341	13:36:58	D	12.20
12	FATEHABAD	RATIA	S-NPP	29.70098	75.50569	13:36:58	D	6.70
13	FATEHABAD	RATIA	S-NPP	29.76590	75.51484	13:36:58	D	7.60
14	FATEHABAD	TOHANA	S-NPP	29.59093	75.85632	13:36:58	D	10.80
15	HISAR	AGROHA	S-NPP	29.39139	75.72809	13:36:58	D	8.90
16	HISAR	HANSI-I	S-NPP	29.25343	75.89030	13:36:58	D	9.30
17	HISAR	HANSI-I	S-NPP	29.25767	75.88992	13:36:58	D	14.50
18	HISAR	HANSI-II	S-NPP	29.01567	76.23029	13:36:58	D	9.90
19	HISAR	HANSI-II	S-NPP	29.12091	76.13647	13:36:58	D	9.10
20	HISAR	HANSI-II	S-NPP	29.12429	76.13586	13:36:58	D	9.10
21	HISAR	HANSI-II	S-NPP	29.12767	76.13525	13:36:58	D	11.20
22	HISAR	HANSI-II	AQUA	29.11500	76.13100	13:26:59	D	48.30
23	HISAR	HISAR-I	S-NPP	29.09193	75.80653	13:36:58	D	8.40
24	HISAR	NARNAUND	S-NPP	29.20971	76.14661	13:36:58	D	12.30
25	HISAR	NARNAUND	S-NPP	29.24251	76.18313	13:36:58	D	14.40
26	HISAR	UKLANA	S-NPP	29.48550	76.00095	13:36:58	D	8.10
27	JHAJJAR	BAHADURGARH	S-NPP	28.73164	76.70187	13:36:58	D	7.60
28	JHAJJAR	BAHADURGARH	S-NPP	28.78881	76.83972	13:36:58	D	3.60
29	JHAJJAR	BERI	S-NPP	28.66502	76.54038	13:36:58	D	5.00

30	JHAJJAR	BERI	S-NPP	28.71522	76.55413	13:36:58	D	8.80
31	JHAJJAR	BERI	S-NPP	28.78128	76.62849	13:36:58	D	10.10
32	JIND	ALEWA	S-NPP	29.44903	76.44804	13:36:58	D	8.40
33	JIND	ALEWA	S-NPP	29.48542	76.38101	13:36:58	D	10.60
34	JIND	ALEWA	S-NPP	29.49410	76.49655	13:36:58	D	6.50
35	JIND	ALEWA	S-NPP	29.51976	76.47897	13:36:58	D	8.30
36	JIND	JULANA	S-NPP	29.11413	76.46458	13:36:58	D	3.40
37	JIND	JULANA	S-NPP	29.14557	76.39161	13:36:58	D	4.50
38	JIND	JULANA	S-NPP	29.14732	76.48155	13:36:58	D	6.60
39	JIND	JULANA	S-NPP	29.21664	76.29849	13:36:58	D	8.30
40	JIND	NARWANA	S-NPP	29.50509	75.94243	13:36:58	D	9.80
41	JIND	NARWANA	S-NPP	29.67528	76.04001	13:36:58	D	7.90
42	JIND	NARWANA	AQUA	29.73700	76.10900	13:26:59	D	24.80
43	JIND	PILLUKHERA	S-NPP	29.29869	76.54234	13:36:58	D	7.20
44	JIND	SAFIDON	S-NPP	29.28902	76.60059	13:36:58	D	8.80
45	JIND	SAFIDON	S-NPP	29.35764	76.57185	13:36:58	D	12.40
46	JIND	SAFIDON	S-NPP	29.37935	76.62918	13:36:58	D	6.60
47	JIND	SAFIDON	S-NPP	29.46376	76.63735	13:36:58	D	7.60
48	KAITHAL	GUHLA	S-NPP	30.03209	76.23115	13:36:58	D	11.20
49	KAITHAL	GUHLA	AQUA	30.02900	76.23000	13:26:59	D	28.80
50	KAITHAL	KALAYAT	S-NPP	29.63378	76.32050	13:36:58	D	12.90
51	KAITHAL	PUNDRI	S-NPP	29.76432	76.66640	13:36:58	D	0.90
52	KAITHAL	PUNDRI	S-NPP	29.76835	76.67014	13:36:58	D	4.00
53	KAITHAL	PUNDRI	S-NPP	29.77122	76.66521	13:36:58	D	4.00
54	KAITHAL	PUNDRI	S-NPP	29.77467	76.66460	13:36:58	D	13.10
55	KAITHAL	PUNDRI	S-NPP	29.77525	76.66894	13:36:58	D	13.10
56	KAITHAL	PUNDRI	S-NPP	29.77812	76.66399	13:36:58	D	13.10
57	KAITHAL	PUNDRI	S-NPP	29.82690	76.59425	13:36:58	D	5.60
58	KAITHAL	PUNDRI	S-NPP	29.86542	76.61846	13:36:58	D	4.80
59	KAITHAL	PUNDRI	AQUA	29.76400	76.66100	13:26:59	D	23.70
60	KAITHAL	RAJOUND	S-NPP	29.55424	76.45595	13:36:58	D	7.60
61	KAITHAL	RAJOUND	S-NPP	29.55481	76.46020	13:36:58	D	7.60
62	KAITHAL	SIWAN	S-NPP	29.86439	76.32991	13:36:58	D	8.50

63	KAITHAL	SIWAN	S-NPP	29.86494	76.28205	13:36:58	D	7.80
64	KARNAL	ASSANDH	S-NPP	29.49739	76.86604	13:36:58	D	2.90
65	KARNAL	ASSANDH	S-NPP	29.51526	76.52332	13:36:58	D	3.20
66	KARNAL	ASSANDH	S-NPP	29.52516	76.72797	13:36:58	D	6.70
67	KARNAL	ASSANDH	S-NPP	29.56604	76.74300	13:36:58	D	3.00
68	KARNAL	ASSANDH	S-NPP	29.63786	76.66032	13:36:58	D	6.10
69	KARNAL	CHIRAO	S-NPP	29.58634	76.81499	13:36:58	D	8.00
70	KARNAL	CHIRAO	S-NPP	29.58985	76.84115	13:36:58	D	7.00
71	KARNAL	CHIRAO	S-NPP	29.59039	76.81876	13:36:58	D	14.40
72	KARNAL	CHIRAO	S-NPP	29.59678	76.83995	13:36:58	D	4.30
73	KARNAL	CHIRAO	S-NPP	29.59803	76.84044	13:36:58	D	4.90
74	KARNAL	CHIRAO	S-NPP	29.62924	76.83504	13:36:58	D	4.40
75	KARNAL	CHIRAO	S-NPP	29.68186	76.85726	13:36:58	D	14.10
76	KARNAL	CHIRAO	S-NPP	29.68342	76.73651	13:36:58	D	4.40
77	KARNAL	CHIRAO	S-NPP	29.71823	76.79903	13:36:58	D	5.50
78	KARNAL	CHIRAO	S-NPP	29.72175	76.69157	13:36:58	D	8.40
79	KARNAL	CHIRAO	S-NPP	29.72863	76.79723	13:36:58	D	5.80
80	KARNAL	GHARAUNDA	S-NPP	29.49878	76.94070	13:36:58	D	7.10
81	KARNAL	GHARAUNDA	S-NPP	29.52074	77.07352	13:36:58	D	2.30
82	KARNAL	GHARAUNDA	S-NPP	29.55866	76.95406	13:36:58	D	11.50
83	KARNAL	GHARAUNDA	S-NPP	29.58366	77.09003	13:36:58	D	7.60
84	KURUKSHETRA	ISMAILABAD	S-NPP	30.16488	76.73076	13:36:58	D	3.30
85	KURUKSHETRA	ISMAILABAD	S-NPP	30.19614	76.75237	13:36:58	D	4.50
86	KURUKSHETRA	PEHOWA	S-NPP	29.97865	76.68415	13:36:58	D	3.30
87	KURUKSHETRA	SHAHBAD	S-NPP	30.12628	76.77158	13:36:58	D	5.60
88	KURUKSHETRA	SHAHBAD	S-NPP	30.12723	76.76887	13:36:58	D	6.10
89	PALWAL	PALWAL	S-NPP	28.14362	77.49966	13:36:58	D	7.80
90	PANIPAT	ISRANA	S-NPP	29.29129	76.77551	13:36:58	D	3.10
91	PANIPAT	MADLAUDA	S-NPP	29.34766	76.77457	13:36:58	D	4.40
92	PANIPAT	MADLAUDA	S-NPP	29.34983	76.68616	13:36:58	D	2.70
93	PANIPAT	MADLAUDA	S-NPP	29.34987	76.71250	13:36:58	D	5.90
94	PANIPAT	MADLAUDA	S-NPP	29.40915	76.77357	13:36:58	D	4.00
95	PANIPAT	MADLAUDA	S-NPP	29.41431	76.83917	13:36:58	D	3.90

96	PANIPAT	MADLAUDA	S-NPP	29.41489	76.84351	13:36:58	D	3.90
97	PANIPAT	MADLAUDA	S-NPP	29.41777	76.83857	13:36:58	D	4.10
98	PANIPAT	MADLAUDA	S-NPP	29.49050	76.84049	13:36:58	D	7.20
99	PANIPAT	MADLAUDA	S-NPP	29.49223	76.83905	13:36:58	D	5.80
100	ROHTAK	MEHAM	S-NPP	28.92814	76.30448	13:36:58	D	5.20
101	ROHTAK	MEHAM	S-NPP	28.93313	76.24006	13:36:58	D	4.70
102	ROHTAK	MEHAM	S-NPP	28.97936	76.44887	13:36:58	D	4.30
103	ROHTAK	MEHAM	S-NPP	28.98831	76.38742	13:36:58	D	10.20
104	ROHTAK	MEHAM	S-NPP	28.99062	76.40410	13:36:58	D	8.30
105	ROHTAK	MEHAM	S-NPP	29.01635	76.36194	13:36:58	D	8.70
106	ROHTAK	ROHTAK	S-NPP	28.81096	76.64057	13:36:58	D	8.40
107	ROHTAK	ROHTAK	S-NPP	28.81282	76.60645	13:36:58	D	5.70
108	ROHTAK	ROHTAK	S-NPP	28.89076	76.51110	13:36:58	D	5.90
109	ROHTAK	ROHTAK	S-NPP	28.92087	76.50632	13:36:58	D	4.90
110	ROHTAK	ROHTAK	S-NPP	29.01104	76.68062	13:36:58	D	4.70
111	SIRSA	BARAGUNDA	S-NPP	29.71683	74.98315	13:36:58	D	9.00
112	SIRSA	BARAGUNDA	S-NPP	29.72364	75.00645	13:36:58	D	8.00
113	SIRSA	ODHAN	S-NPP	29.85871	75.07535	13:36:58	D	10.90
114	SIRSA	ODHAN	S-NPP	29.86639	74.91773	13:36:58	D	7.60
115	SIRSA	SIRSA	S-NPP	29.45202	74.93136	13:36:58	D	6.90
116	SIRSA	SIRSA	S-NPP	29.48411	75.01095	13:36:58	D	10.10
117	SIRSA	SIRSA	S-NPP	29.51515	74.94374	13:36:58	D	8.20
118	SIRSA	SIRSA	S-NPP	29.52295	74.95040	13:36:58	D	7.60
119	SIRSA	SIRSA	S-NPP	29.59286	74.96979	13:36:58	D	10.80
120	SONIPAT	GANAUR	S-NPP	29.16997	76.89990	13:36:58	D	6.40
121	SONIPAT	GANAUR	S-NPP	29.17344	76.89931	13:36:58	D	43.90
122	SONIPAT	GOHANA	S-NPP	28.98646	76.75898	13:36:58	D	5.60
123	SONIPAT	GOHANA	S-NPP	29.13809	76.74242	13:36:58	D	7.20
124	SONIPAT	KATHURA	S-NPP	29.06302	76.60303	13:36:58	D	7.40
125	SONIPAT	KATHURA	S-NPP	29.09847	76.65763	13:36:58	D	4.40
126	SONIPAT	MUNDLANA	S-NPP	29.20106	76.69793	13:36:58	D	10.30
127	SONIPAT	MUNDLANA	S-NPP	29.21358	76.60848	13:36:58	D	6.30
128	SONIPAT	MUNDLANA	S-NPP	29.21986	76.60303	13:36:58	D	5.10

129	SONIPAT	MUNDLANA	S-NPP	29.24783	76.63396	13:36:58	D	6.10
130	SONIPAT	MUNDLANA	S-NPP	29.26786	76.62610	13:36:58	D	5.30
131	SONIPAT	SONIPAT	S-NPP	29.01453	77.02316	13:36:58	D	1.80
132	SONIPAT	SONIPAT	S-NPP	29.08582	76.85252	13:36:58	D	5.90
133	YAMUNANAGAR	MUSTAFABAD	S-NPP	30.13662	77.12171	13:36:58	D	9.80

### Details of residue burning events in Uttar Pradesh on 08-May-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	BARA	S-NPP	25.13126	81.69707	13:36:58	D	6.50
2	ALLAHABAD	BARA	S-NPP	25.13704	81.67551	13:36:58	D	4.00
3	ALLAHABAD	BARA	S-NPP	25.13729	81.67448	13:36:58	D	4.10
4	ALLAHABAD	BARA	S-NPP	25.20490	81.74561	13:36:58	D	7.30
5	BALLIA	BALLIA	S-NPP	25.71512	84.24503	00:46:41	N	4.30
6	BALRAMPUR	UTRAULA	S-NPP	27.32133	82.45662	00:46:41	N	1.20
7	BALRAMPUR	UTRAULA	S-NPP	27.32181	82.45409	00:46:41	N	1.60
8	BAREILLY	FARIDPUR	S-NPP	28.13504	79.63343	13:36:58	D	4.30
9	BIJNOR	BIJNOR	S-NPP	29.51142	78.03514	13:36:58	D	7.70
10	BIJNOR	CHANDPUR	S-NPP	29.07748	78.27396	13:36:58	D	3.20
11	BULANSAHAR	ANUP SHAHR	S-NPP	28.38361	78.17650	13:36:58	D	5.80
12	CHANDAULI	CHAKIA	S-NPP	25.09639	83.25420	13:36:58	D	1.60
13	CHANDAULI	CHAKIA	S-NPP	25.09852	83.25142	13:36:58	D	5.60
14	CHANDAULI	CHAKIA	AQUA	25.09800	83.25100	13:26:59	D	11.40
15	CHANDAULI	CHAKIA	AQUA	25.11400	83.35800	13:26:59	D	8.80
16	CHANDAULI	CHANDAULI	S-NPP	25.22930	83.31109	13:36:58	D	3.90
17	CHANDAULI	CHANDAULI	S-NPP	25.30438	83.44131	13:36:58	D	7.40
18	GAZIPUR	GAZIPUR	S-NPP	25.81997	83.48502	13:36:58	D	6.10
19	HAMIRPUR	SARILA	S-NPP	25.71746	79.61488	13:36:58	D	6.80
20	HAMIRPUR	SARILA	AQUA	25.71600	79.61400	13:26:59	D	15.70
21	HARDOI	BILGRAM	S-NPP	26.99311	80.20944	13:36:58	D	9.30
22	HARDOI	BILGRAM	S-NPP	27.04975	80.15863	13:36:58	D	10.20
23	HARDOI	BILGRAM	S-NPP	27.11432	80.24565	13:36:58	D	5.70
24	HARDOI	BILGRAM	S-NPP	27.11656	80.24743	13:36:58	D	11.60
25	HARDOI	BILGRAM	S-NPP	27.11830	80.24509	13:36:58	D	6.40
26	HARDOI	BILGRAM	S-NPP	27.14979	80.09639	13:36:58	D	7.10
27	HARDOI	HARDOI	S-NPP	27.26703	80.11829	13:36:58	D	5.20
28	HARDOI	HARDOI	S-NPP	27.47772	79.98615	13:36:58	D	7.50
29	HARDOI	SANDILA	S-NPP	27.20939	80.36835	13:36:58	D	7.40
30	JHANSI	JHANSI	S-NPP	25.48099	78.68151	13:36:58	D	12.10
31	JHANSI	JHANSI	S-NPP	25.55892	78.67968	13:36:58	D	10.30
32	JHANSI	MOTH	S-NPP	25.67312	78.84691	13:36:58	D	11.80

33	JHANSI	MOTH	S-NPP	25.67545	78.86546	13:36:58	D	11.20
34	JHANSI	MOTH	S-NPP	25.71050	78.87904	13:36:58	D	8.20
35	JHANSI	MOTH	S-NPP	25.75707	78.95293	13:36:58	D	10.10
36	JHANSI	TAHRAULI	S-NPP	25.58675	78.78253	13:36:58	D	12.70
37	KANPUR DEHAT	DERAPUR	S-NPP	26.52529	79.77586	13:36:58	D	13.10
38	KANPUR DEHAT	SIKANDRA	S-NPP	26.42620	79.61222	13:36:58	D	8.00
39	KHERI	DHAURAHRA	S-NPP	27.92066	81.15541	13:36:58	D	1.80
40	KHERI	MOHMADI	S-NPP	28.11142	80.27125	13:36:58	D	0.90
41	LALITPUR	KHAGA	S-NPP	24.58334	78.74049	02:26:58	N	1.40
42	LALITPUR	KHAGA	S-NPP	24.86071	78.70545	13:36:58	D	13.70
43	LALITPUR	LALITPUR	S-NPP	24.65023	78.57754	13:36:58	D	15.70
44	LALITPUR	TALBEHAT	S-NPP	24.75953	78.51422	13:36:58	D	17.60
45	LALITPUR	TALBEHAT	S-NPP	24.75991	78.51294	13:36:58	D	18.60
46	LALITPUR	TALBEHAT	S-NPP	24.77425	78.51635	13:36:58	D	8.40
47	LALITPUR	TALBEHAT	S-NPP	25.01106	78.54404	13:36:58	D	11.20
48	MAHOBA	KULPAHAR	S-NPP	25.33688	79.54270	13:36:58	D	9.40
49	MAHOBA	KULPAHAR	S-NPP	25.47064	79.41961	13:36:58	D	7.00
50	MAHOBA	KULPAHAR	AQUA	25.33200	79.54200	13:26:59	D	20.50
51	MAHOBA	MAHOBA	S-NPP	25.13423	79.60780	13:36:58	D	7.40
52	MATHURA	CHHATA	S-NPP	27.70427	77.46088	13:36:58	D	4.40
53	MATHURA	CHHATA	S-NPP	27.71701	77.52995	13:36:58	D	5.20
54	MATHURA	CHHATA	S-NPP	27.73218	77.48289	13:36:58	D	6.70
55	MUZAFARNAGAR	JANSATH	S-NPP	29.56104	77.98956	13:36:58	D	5.60
56	PILHIBHIT	PILHIBHIT	S-NPP	28.81606	79.69235	13:36:58	D	5.20
57	PILHIBHIT	PURANPUR	S-NPP	28.74510	80.20151	13:36:58	D	7.50
58	RAIBEARELI	LALGANJ	S-NPP	26.22344	80.88773	13:36:58	D	2.40
59	RAIBEARELI	TILOI	S-NPP	26.51209	81.40195	13:36:58	D	3.20
60	SHARANPUR	DEOBAND	S-NPP	29.73182	77.69256	13:36:58	D	2.10
61	SHARANPUR	NAKUR	S-NPP	29.78642	77.18671	13:36:58	D	1.50
62	SHARANPUR	NAKUR	S-NPP	29.91091	77.26414	13:36:58	D	3.10
63	SHRAWASTI	BHINGA	S-NPP	27.92591	81.76318	13:36:58	D	5.00
64	SHRAWASTI	BHINGA	S-NPP	27.92662	81.76611	13:36:58	D	4.50
65	UNNAO	SAFIPUR	S-NPP	26.72313	80.28560	13:36:58	D	5.70
66	UNNAO	SAFIPUR	S-NPP	26.92368	80.23662	13:36:58	D	9.30

## Details of wheat residue burning events in Madhya Pradesh on 08-May-2023

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.49475	77.72071	13:36:58	D	21.30
2	ASHOKNAGAR	MUNGAOLI	S-NPP	24.55326	77.96720	13:36:58	D	17.30
3	BALAGHAT	BAIHAR	S-NPP	21.97460	80.44363	13:36:58	D	6.00
4	BETUL	BETUL	S-NPP	21.86843	77.81026	13:36:58	D	3.30
5	BETUL	BHAINSDEHI	S-NPP	21.69321	77.68554	13:36:58	D	7.50
6	BHIND	LAHAR	S-NPP	26.02252	78.82594	13:36:58	D	5.20
7	BHOPAL	BERASIYA	S-NPP	23.60360	77.52148	13:36:58	D	14.80
8	BHOPAL	HUZUR	S-NPP	23.32734	77.46203	13:36:58	D	11.20
9	CHHATARPUR	BARAMALEHRA	S-NPP	24.42327	79.07475	13:36:58	D	6.80
10	CHHATARPUR	BARAMALEHRA	S-NPP	24.42688	79.07420	13:36:58	D	9.20
11	CHHATARPUR	CHHATARPUR	S-NPP	24.79761	79.64809	13:36:58	D	6.20
12	CHHATARPUR	CHHATARPUR	S-NPP	24.79844	79.65076	13:36:58	D	7.70
13	CHHATARPUR	CHHATARPUR	S-NPP	24.81666	79.61307	13:36:58	D	11.00
14	CHHATARPUR	CHHATARPUR	S-NPP	24.82852	79.37543	13:36:58	D	13.00
15	CHHATARPUR	CHHATARPUR	S-NPP	24.86812	79.34244	13:36:58	D	19.40
16	CHHATARPUR	CHHATARPUR	S-NPP	24.93063	79.39136	13:36:58	D	13.90
17	CHHATARPUR	CHHATARPUR	S-NPP	24.96760	79.38585	13:36:58	D	8.90
18	CHHATARPUR	CHHATARPUR	S-NPP	24.97130	79.38532	13:36:58	D	15.00
19	CHHATARPUR	NOWGOAN	S-NPP	25.05351	79.79521	13:36:58	D	9.00
20	CHHATARPUR	NOWGOAN	S-NPP	25.06087	79.85594	13:36:58	D	5.40
21	CHHATARPUR	NOWGOAN	S-NPP	25.06538	79.82946	13:36:58	D	3.30
22	CHHATARPUR	RAJNAGAR	S-NPP	24.85615	79.77867	13:36:58	D	9.00
23	CHHATARPUR	RAJNAGAR	S-NPP	24.98191	79.89631	13:36:58	D	6.40
24	CHHINDWARA	AMARWARA	S-NPP	22.19094	79.20269	13:36:58	D	6.80
25	CHHINDWARA	AMARWARA	S-NPP	22.21796	79.08011	13:36:58	D	13.10
26	CHHINDWARA	AMARWARA	S-NPP	22.22753	79.01773	13:36:58	D	16.10
27	CHHINDWARA	AMARWARA	S-NPP	22.33919	79.23370	13:36:58	D	7.50
28	CHHINDWARA	AMARWARA	S-NPP	22.40717	79.23827	13:36:58	D	6.90
29	CHHINDWARA	BICHHUA	S-NPP	21.84070	79.13185	13:36:58	D	8.30
30	CHHINDWARA	CHAURAI	S-NPP	21.92229	79.22852	13:36:58	D	8.10



31	CHHINDWARA	CHAURAI	S-NPP	22.00236	79.34943	13:36:58	D	4.30
32	CHHINDWARA	CHAURAI	S-NPP	22.01794	79.11408	13:36:58	D	11.80
33	CHHINDWARA	CHAURAI	S-NPP	22.02147	79.11353	13:36:58	D	10.50
34	CHHINDWARA	CHAURAI	S-NPP	22.03365	79.20329	13:36:58	D	10.50
35	CHHINDWARA	CHAURAI	S-NPP	22.07196	79.35204	13:36:58	D	9.30
36	CHHINDWARA	CHAURAI	S-NPP	22.07421	79.35275	13:36:58	D	14.70
37	CHHINDWARA	CHAURAI	S-NPP	22.08864	79.32381	13:36:58	D	6.90
38	CHHINDWARA	CHAURAI	S-NPP	22.08921	79.32819	13:36:58	D	6.90
39	CHHINDWARA	CHAURAI	S-NPP	22.15119	79.27427	13:36:58	D	9.50
40	CHHINDWARA	CHHINDWARA	S-NPP	22.00321	78.87519	13:36:58	D	6.10
41	CHHINDWARA	CHHINDWARA	S-NPP	22.01769	78.84384	13:36:58	D	4.00
42	CHHINDWARA	CHHINDWARA	S-NPP	22.18331	79.06384	13:36:58	D	10.50
43	CHHINDWARA	CHHINDWARA	AQUA	22.17600	79.06100	13:26:59	D	17.10
44	CHHINDWARA	PARASIA	S-NPP	22.23646	78.78941	13:36:58	D	7.40
45	DAMOH	JABERA	S-NPP	23.55634	79.69206	13:36:58	D	6.30
46	DAMOH	JABERA	S-NPP	23.61485	79.62099	13:36:58	D	10.40
47	DAMOH	JABERA	S-NPP	23.61768	79.62244	13:36:58	D	8.80
48	DAMOH	PATHARIA	S-NPP	23.93070	79.25425	13:36:58	D	6.10
49	DAMOH	PATHARIA	AQUA	23.81300	79.34000	13:26:59	D	11.80
50	DATIA	BHANDER	S-NPP	25.82981	78.62709	13:36:58	D	14.50
51	DATIA	BHANDER	S-NPP	25.87267	78.63586	13:36:58	D	7.60
52	DATIA	BHANDER	S-NPP	25.87628	78.63531	13:36:58	D	10.50
53	DATIA	BHANDER	S-NPP	25.97896	78.77433	13:36:58	D	8.50
54	DATIA	BHANDER	S-NPP	25.97916	78.77562	13:36:58	D	10.60
55	DATIA	DATIA	S-NPP	25.57663	78.56167	13:36:58	D	15.50
56	DATIA	DATIA	S-NPP	25.57897	78.57967	13:36:58	D	17.40
57	DATIA	DATIA	S-NPP	25.60757	78.60278	13:36:58	D	30.10
58	DATIA	DATIA	S-NPP	25.61115	78.60220	13:36:58	D	30.10
59	DATIA	DATIA	S-NPP	25.64993	78.52025	13:36:58	D	11.10
60	DATIA	DATIA	AQUA	25.68600	78.60300	13:26:59	D	31.90
61	DATIA	DATIA	AQUA	25.68900	78.61900	13:26:59	D	25.10
62	DATIA	DATIA	AQUA	25.69000	78.61300	13:26:59	D	21.20
63	DATIA	SEONDHA	S-NPP	25.86444	78.59995	13:36:58	D	9.50

64	DATIA	SEONDHA	S-NPP	25.87511	78.62617	13:36:58	D	6.90
65	DATIA	SEONDHA	S-NPP	26.02337	78.74509	13:36:58	D	13.50
66	DATIA	SEONDHA	S-NPP	26.11264	78.83363	13:36:58	D	18.90
67	GUNA	GUNA	S-NPP	24.71563	77.06051	13:36:58	D	12.50
68	GUNA	GUNA	S-NPP	24.99570	76.99396	13:36:58	D	17.70
69	GWALIOR	BHITARWAR	S-NPP	25.74025	78.03168	13:36:58	D	9.10
70	GWALIOR	BHITARWAR	S-NPP	25.79512	78.06351	13:36:58	D	7.60
71	GWALIOR	BHITARWAR	S-NPP	25.83105	78.17312	13:36:58	D	14.50
72	GWALIOR	DABRA	S-NPP	25.88260	78.29051	13:36:58	D	13.80
73	GWALIOR	DABRA	S-NPP	25.89500	78.30210	13:36:58	D	11.50
74	GWALIOR	DABRA	S-NPP	25.90615	78.38652	13:36:58	D	10.20
75	GWALIOR	DABRA	S-NPP	25.97082	78.28182	13:36:58	D	20.00
76	GWALIOR	DABRA	AQUA	25.88600	78.29900	13:26:59	D	18.90
77	HARDA	KHIRKIYAN	S-NPP	22.12071	76.97996	13:36:58	D	6.60
78	HOSHANGABAD	BABAI	S-NPP	22.70654	78.02940	13:36:58	D	7.80
79	INDORE	DEPALPUR	S-NPP	22.97681	75.65541	13:36:58	D	7.20
80	JABALPUR	JABALPUR	S-NPP	23.04388	79.97677	13:36:58	D	10.00
81	JABALPUR	JABALPUR	S-NPP	23.10336	79.86746	13:36:58	D	10.90
82	JABALPUR	JABALPUR	S-NPP	23.10341	80.11612	13:36:58	D	6.60
83	JABALPUR	JABALPUR	S-NPP	23.14045	79.86198	13:36:58	D	6.50
84	JABALPUR	JABALPUR	S-NPP	23.24880	79.86739	13:36:58	D	6.60
85	JABALPUR	JABALPUR	AQUA	23.11300	80.10200	13:26:59	D	17.50
86	JABALPUR	KUNDAM	S-NPP	23.28870	80.42666	13:36:58	D	4.20
87	JABALPUR	MAJHOULI	S-NPP	23.50491	79.83400	13:36:58	D	4.20
88	JABALPUR	PATAN	S-NPP	23.21499	79.68926	13:36:58	D	2.40
89	JABALPUR	PATAN	S-NPP	23.21788	79.86219	13:36:58	D	5.20
90	JABALPUR	PATAN	S-NPP	23.32481	79.79951	13:36:58	D	6.80
91	JABALPUR	PATAN	S-NPP	23.33306	79.74513	13:36:58	D	4.80
92	JABALPUR	SAHPURA	S-NPP	23.01150	79.72068	13:36:58	D	12.60
93	JABALPUR	SIHORA	S-NPP	23.37805	80.28292	13:36:58	D	2.40
94	MANDSAUR	MALHARGARH	S-NPP	24.30431	75.04176	13:36:58	D	20.00
95	NARSHIMAPURA	GADARWARA	S-NPP	23.04586	78.74782	13:36:58	D	4.60
96	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.71496	79.35635	13:36:58	D	7.50

97	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.71652	79.35735	13:36:58	D	7.90
98	RAISEN	BAGAMGANJ	S-NPP	23.52191	78.38874	13:36:58	D	32.80
99	RAISEN	BAGAMGANJ	S-NPP	23.55720	78.67601	13:36:58	D	22.50
100	RAISEN	BAGAMGANJ	S-NPP	23.56015	78.40826	13:36:58	D	15.20
101	RAISEN	BAGAMGANJ	S-NPP	23.56109	78.40860	13:36:58	D	8.00
102	RAISEN	BAGAMGANJ	S-NPP	23.56353	78.72317	13:36:58	D	20.00
103	RAISEN	BAGAMGANJ	S-NPP	23.57000	78.36884	13:36:58	D	12.40
104	RAISEN	BAGAMGANJ	S-NPP	23.57347	78.36829	13:36:58	D	8.10
105	RAISEN	BAGAMGANJ	S-NPP	23.59931	78.42822	13:36:58	D	9.50
106	RAISEN	BARELI	S-NPP	23.03329	78.25382	13:36:58	D	7.20
107	RAISEN	GAIRATGANJ	S-NPP	23.51127	78.25910	13:36:58	D	9.60
108	RAISEN	GAIRATGANJ	S-NPP	23.52854	78.28171	13:36:58	D	12.50
109	RAISEN	RAISEN	S-NPP	23.29216	77.78561	13:36:58	D	8.00
110	RAISEN	RAISEN	S-NPP	23.45592	77.56110	13:36:58	D	16.80
111	RAJGARH	NARSINGHGAR	S-NPP	23.58649	76.72218	13:36:58	D	17.40
112	SAGAR	KESALI	S-NPP	23.51107	78.76240	13:36:58	D	18.80
113	SAGAR	RAHAT GARH	S-NPP	23.85454	78.30026	13:36:58	D	7.70
114	SAGAR	REHLI	S-NPP	23.53399	79.09253	13:36:58	D	8.60
115	SAGAR	REHLI	S-NPP	23.60940	79.09602	13:36:58	D	9.20
116	SAGAR	SAGAR	S-NPP	23.83265	78.87932	13:36:58	D	16.60
117	SAGAR	SAGAR	S-NPP	23.87904	78.94061	13:36:58	D	5.60
118	SEHORE	BUDHNI	S-NPP	22.79794	77.51311	13:36:58	D	5.10
119	SEHORE	SEHORE	S-NPP	23.19509	77.17106	13:36:58	D	15.10
120	SEONI	GHANSAUR	S-NPP	22.43320	79.83368	13:36:58	D	9.90
121	SEONI	GHANSAUR	S-NPP	22.43514	79.73467	13:36:58	D	3.50
122	SEONI	GHANSAUR	S-NPP	22.43870	79.84708	13:36:58	D	5.90
123	SEONI	GHANSAUR	S-NPP	22.47812	79.81486	13:36:58	D	2.00
124	SEONI	GHANSAUR	S-NPP	22.50251	79.82993	13:36:58	D	7.10
125	SEONI	GHANSAUR	S-NPP	22.51781	79.83233	13:36:58	D	5.20
126	SEONI	GHANSAUR	S-NPP	22.52088	79.82712	13:36:58	D	6.80
127	SEONI	GHANSAUR	S-NPP	22.52148	79.83176	13:36:58	D	5.20
128	SEONI	GHANSAUR	S-NPP	22.57665	79.80160	13:36:58	D	8.90
129	SEONI	GHANSAUR	S-NPP	22.58328	79.82429	13:36:58	D	9.00

130	SEONI	SEONI	S-NPP	22.02606	79.52943	13:36:58	D	8.00
131	SEONI	SEONI	S-NPP	22.04980	79.40438	13:36:58	D	13.00
132	SEONI	SEONI	S-NPP	22.06209	79.52403	13:36:58	D	5.90
133	SEONI	SEONI	S-NPP	22.06268	79.52847	13:36:58	D	5.90
134	SEONI	SEONI	S-NPP	22.10556	79.39716	13:36:58	D	8.70
135	SEONI	SEONI	S-NPP	22.11191	79.64890	13:36:58	D	5.30
136	SEONI	SEONI	S-NPP	22.11209	79.64561	13:36:58	D	3.60
137	SEONI	SEONI	S-NPP	22.21899	79.44375	13:36:58	D	7.50
138	SEONI	SEONI	S-NPP	22.28061	79.74682	13:36:58	D	7.90
139	SEONI	SEONI	S-NPP	22.28069	79.71881	13:36:58	D	5.40
140	SEONI	SEONI	S-NPP	22.28494	79.72284	13:36:58	D	3.70
141	SEONI	SEONI	S-NPP	22.29097	79.74062	13:36:58	D	9.40
142	SEONI	SEONI	S-NPP	22.29767	79.73493	13:36:58	D	6.00
143	SEONI	SEONI	S-NPP	22.29827	79.73952	13:36:58	D	5.00
144	SEONI	SEONI	S-NPP	22.29887	79.74408	13:36:58	D	5.00
145	SEONI	SEONI	S-NPP	22.30437	79.72924	13:36:58	D	7.10
146	SEONI	SEONI	S-NPP	22.31042	79.74699	13:36:58	D	6.60
147	SHAJAPUR	BAROUD	S-NPP	23.74492	75.78597	13:36:58	D	14.50
148	SHAJAPUR	BAROUD	S-NPP	23.74823	75.78538	13:36:58	D	14.50
149	SHAJAPUR	SHAJAPUR	S-NPP	23.29595	76.24280	13:36:58	D	13.90
150	SHAJAPUR	SHAJAPUR	S-NPP	23.47534	76.33129	13:36:58	D	14.60
151	SHAJAPUR	SUJALPUR	S-NPP	23.41037	76.71696	13:36:58	D	25.50
152	SHEOPUR	SHEOPUR	S-NPP	25.66473	76.58317	13:36:58	D	13.50
153	SHIVPURI	KARERA	S-NPP	25.54862	78.10391	13:36:58	D	36.10
154	TIKAMGARH	JATARA	S-NPP	24.97349	79.06001	13:36:58	D	11.60
155	TIKAMGARH	JATARA	S-NPP	25.01335	79.13942	13:36:58	D	9.90
156	TIKAMGARH	NIVARI	S-NPP	25.36795	78.84151	13:36:58	D	15.00
157	TIKAMGARH	TIKAMGARH	S-NPP	24.48133	78.95494	13:36:58	D	15.40
158	TIKAMGARH	TIKAMGARH	S-NPP	24.50038	78.95313	13:36:58	D	12.30
159	TIKAMGARH	TIKAMGARH	S-NPP	24.50095	78.95766	13:36:58	D	6.80
160	UJJAIN	GHATIYA	S-NPP	23.33315	75.97189	13:36:58	D	18.20
161	UJJAIN	MEHIDPUR	S-NPP	23.53288	75.59356	13:36:58	D	7.50
162	UJJAIN	TARANA	S-NPP	23.43953	75.98352	13:36:58	D	2.60

163	UJJAIN	TARANA	S-NPP	23.44783	75.99358	13:36:58	D	13.10
164	UMARIA	MANPUR	S-NPP	23.93752	80.91817	13:36:58	D	3.60
165	VIDESHA	GYARASPUR	S-NPP	23.58119	77.98533	13:36:58	D	24.80
166	VIDESHA	GYARASPUR	S-NPP	23.58463	77.98478	13:36:58	D	23.70
167	VIDESHA	NATERAN	S-NPP	23.76696	77.57140	13:36:58	D	17.20
168	VIDESHA	SIRANJ	S-NPP	24.13321	77.67561	13:36:58	D	21.20
169	VIDESHA	VIDESHA	S-NPP	23.41756	77.98674	13:36:58	D	38.40
170	VIDESHA	VIDESHA	S-NPP	23.53482	77.60452	13:36:58	D	16.40
171	VIDESHA	VIDESHA	S-NPP	23.62032	77.71597	02:26:58	N	0.40

**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 wheat mask for the Punjab, Haryana and Uttar Pradesh were provided by MNCFC, MoA&FW, Govt of India  
The rabi crop mask for Delhi 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)

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