भारत सरकार
पृथ्वी विज्ञान मंत्रालय
भारत मौसम विज्ञान विभाग
मौसम केंद्र,
अहमदाबाद ३८२४७५.

Government of India
Ministry of Earth Science
India Meteorological Department
METEOROLOGICAL CENTRE,
AHMEDABAD 382475.

संदर्भ नं : ए.एफ.एम/एच.एम/बुलेटीन/सुरत/**046** दिनांक : **16-07-2025** समय : **14:00** घंटे

हाइड्रोमेट बुलेटीन

I. SYNOPTIC SITUATION:

❖**The Well Marked Low Pressure area over northwest Rajasthan and neighbourhood persists over the same region at 0830 hrs IST of today, the 16th July, 2025. The associated cyclonic circulation extends upto 5.8km above mean sea level. It is likely to move slowly north-northwestwards and weaken into a lowpressure area during next 12 hours.**

❖**The Well Marked Low Pressure area over southwest Bihar and adjoining east Uttar Pradesh persists over the same region at 0830 hrs IST of today, the 16th July 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestward with height. It is likely to move west-northwestwards across southwest Bihar and east Uttar Pradesh during next 24 hours.**

❖**The monsoon trough at mean sea level now passes through centre of well marked low Pressure area over northwest Rajasthan & neighbourhood, Gwalior, center of well marked low Pressure area over southwest Bihar and adjoining east Uttar Pradesh, Purulia, Contai and thence southeastwards of northeast Bay of Bengal.**

❖**The Western Disturbance as a trough in middle tropospheric levels with its axis at 5.8 km above mean sea level now runs roughly along Long. 68°E to the north of Lat. 22°N.**

II. FORECAST:

a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)

SL No	BASIN NAME	SUB BASIN CODE/NAME	QPF Range in mm						
			(DAY-1) 16-07-2025	(DAY-2) 17-07-2025	(DAY-3) 18-07-2025	(DAY-4) 19-07-2025	(DAY-5) 20-07-2025	(DAY-6) 21-07-2025	(DAY-7) 22-07-2025
1	NARMADA	Upper	11-25	11-25	0.1-10	0.1-10	11-25	11-25	11-25
		Middle	11-25	11-25	0.1-10	0.1-10	0.1-10	11-25	0.1-10
		Hosanga'd to ss	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Lower	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
2	TAPI	Upper Tapi	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Middle Tapi	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Lower Tapi	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
3	DAMAN	---	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10

b) River Sub-basin-wise Intensity and Distribution of QPF

SL No	BASIN NAME	BASIN CODE/NAME	INTENSITY & SPATIAL DISTRIBUTION													
			(DAY-1) 16-07-2025		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	NARMADA	Upper	M	SCT	M	SCT	M	ISOL	M	ISOL	M	SCT	M	SCT	M	SCT
		Middle	M	SCT	M	SCT	M	ISOL	M	ISOL	M	ISOL	M	SCT	M	ISOL
		Hosanga'd to ss	M	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Lower	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
2	TAPI	Upper Tapi	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Middle Tapi	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Lower Tapi	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
3	DAMAN GANGA	---	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL

III. River Sub-basin-wise Heavy Rainfall Warning :

SL No	BASIN NAME	BASIN CODE/NAME	INTENSITY & SPATIAL DISTRIBUTION													
			(DAY-1) 16-07-2025		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	NARMADA	Upper	H	ISOL	H	ISOL	NIL	NIL	NIL	NIL	NIL	NIL	H	ISOL	H	ISOL
		Middle	H	ISOL	H	ISOL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Hosanga'd to ss	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Lower	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	TAPI	Upper Tapi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Middle Tapi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Lower Tapi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	DAMAN GANGA	---	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

IV. River Sub-basin-wise Probabilistic QPF

| Basin Name | Sub-basin Name | QPF Probability (%) | | |

V. STATION RECORDED SIG. RAINFALL (>=5cm) RECORDED AT 0830 HRS IST OF TODAY:

Name of Basin	Stations	RF	Stations	RF	Stations	RF	Stations	RF
NARMADA_MIDDLE	NIWAS	50.4	DHEEMARKHEDA	50.5				
NARMADA_UPPER	Manot _CWC	56.0						

VI. REALISED BASIN AVERAGE AREAL RAINFALL AT 0830 HRS. IST TODAY:

S NO.	BASINS NAME		SUB-BASIN CODE/NAME	REALISED AVERAGE AREAL RF
1	NARMADA	API (I) = 195.1	Upper Narmada	19.6
		API (II) = 195.3	Middle Narmada	6.2
		API (III) = 78.0	Hosangabad to Sardar Sarovar	3.3
		API (IV) = 111.0	Lower Narmada	1.3
2	TAPI	API = 58.5	Upper Tapi	3.8
		API = 50.5	Middle Tapi	3.2
		API = 150.5	Lower Tapi	0.6
3	DAMANGANGA	API = 252.1		10.7

प्रमुख,
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LEGEND..

Spatial Distribution of Rainfall		
DRY	Dry	No Station reported rainfall
ISOL	One or two Places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few Places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many Places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

Intensity of Rainfall					
M.Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
L	Light Rainfall	Upto 1 cm	M	Moderate rainfall	02-06 cm
H	Heavy rainfall	07-11 cm	VH	Very Heavy rainfall	12-20 cm
EH	Extremely Heavy rainfall	21 cm or More			
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm			

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100

QPF Categories (in mm)	0	0.1-10	11-25	26-50	51-100	>100

Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

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❖The Well Marked Low Pressure area over northwest Rajasthan and neighbourhood persists over the same region at 0830 hrs IST of today, the 16th July, 2025. The associated cyclonic circulation extends upto 5.8km above mean sea level. It is likely to move slowly north-northwestwards and weaken into a lowpressure area during next 12 hours.

❖The Well Marked Low Pressure area over southwest Bihar and adjoining east Uttar Pradesh persists over the same region at 0830 hrs IST of today, the 16th July 2025. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestward with height. It is likely to move west-northwestwards across southwest Bihar and east Uttar Pradesh during next 24 hours.

❖The monsoon trough at mean sea level now passes through centre of well marked low Pressure area over northwest Rajasthan & neighbourhood, Gwalior, center of well marked low Pressure area over southwest Bihar and adjoining east Uttar Pradesh, Purulia, Contai and thence southeastwards of northeast Bay of Bengal.

❖The Western Disturbance as a trough in middle tropospheric levels with its axis at 5.8 km above mean sea level now runs roughly along Long. 68°E to the north of Lat. 22°N.

II. FORECAST:

a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)

SL No	BASIN NAME	SUB BASIN CODE/NAME	QPF Range in mm						
			(DAY-1) 16-07-2025	(DAY-2) 17-07-2025	(DAY-3) 18-07-2025	(DAY-4) 19-07-2025	(DAY-5) 20-07-2025	(DAY-6) 21-07-2025	(DAY-7) 22-07-2025
1	MAHI	Upper Mahi	0.1-10	0.1-10	11-25	0.1-10	0.1-10	0.1-10	0.1-10
		Middle Mahi	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Lower Mahi	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
2	SABARMATI	Sabarmati A	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Sabarmati B	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Sabarmati C	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Sabarmati D	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
3	BANAS	Banas A	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Banas B	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Banas C	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Banas D	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
4	SHETRUNJI	-	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10

b) River Sub-basin-wise Intensity and Distribution of QPF

SL No	BASIN NAME	BASIN CODE/NAME	INTENSITY & SPATIAL DISTRIBUTION													
			(DAY-1) 16-07-2025		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	MAHI	Upper Mahi	M	ISOL	M	ISOL	M	SCT	M	ISOL	L	ISOL	L	ISOL	L	ISOL
		Middle Mahi	M	ISOL	M	ISOL	M	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL
		Lower Mahi	M	ISOL	M	ISOL	M	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL
2	SABARMATI	Sabarmati A	M	ISOL	M	ISOL	M	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL
		Sabarmati B	L	ISOL	L	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Sabarmati C	L	ISOL	L	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Sabarmati D	L	ISOL	L	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
3	BANAS	Banas A	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Banas B	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Banas C	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Banas D	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
4	SHETRUNJI	-	L	ISOL	L	ISOL	L	ISOL	L	ISOL	M	ISOL	L	ISOL	L	ISOL

III. River Sub-basin-wise HEAVY RAINFALL WARNING :

SL No	BASIN NAME	BASIN CODE/NAME	INTENSITY & SPATIAL DISTRIBUTION													
			(DAY-1) 16-07-2025		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	MAHI	Upper Mahi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Middle Mahi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Lower Mahi	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2	SABARMATI	A	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		B	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		C	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		D	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
3	BANAS	A	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		B	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		C	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		D	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
4	SHETRUNJI	-	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

IV. PROBABILISTIC FORECAST

| BASIN NAME | BASIN CODE/ NAME | QPF Probability (%) | | |

V. STATION RECORDED SIG. RAINFALL (>=5cm) RECORDED AT 0830 HRS IST OF TODAY:

Name of Basin	Stations	RF	Stations	RF	Stations	RF	Stations	RF
MAHI_LOWER	Kadana	55.2						
BANAS_D	Palanpur	56.0						

VI. REALISED BASIN AVERAGE AREAL RAINFALL AT 0830 HRS. IST TODAY:

S NO.	BASINS NAME		SUB-BASIN CODE/NAME	REALISED AVERAGE ARIALRF
(1)…...	MAHI	API = 92.0	Upper Mahi	3.6
		API = 82.9	Middle Mahi	6.6
		API = 73.4	Lower Mahi	5.1
(2)…...	SABARMATI		Sabarmati A	4.2
		API = 104.6	Sabarmati B	4.7
			Sabarmati C	4.4
			Sabarmati D	3.3
(3)…...	BANAS		Banas A	12.1
		API = 113.7	Banas B	10.4
			Banas C	8.2
			Banas D	3.5
(4)……	SHETRUNJI	API = 62.6	-	0.1

प्रमुख,
बाढ मौसम कार्यालय, अहमदाबाद

LEGEND..

Spatial Distribution of Rainfall		
DRY	Dry	No Station reported rainfall
ISOL	One or two Places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few Places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many Places	51%-75% number of stations recorded rainfall 2.5 mm
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Intensity of Rainfall					
M.Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
L	Light Rainfall	Upto 1 cm	M	Moderate rainfall	02-06 cm
H	Heavy rainfall	07-11 cm	VH	Very Heavy rainfall	12-20 cm
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ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm			

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100

QPF Categories (in mm)	0	0.1-10	11-25	26-50	51-100	>100

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a) River Sub-basin-wise Quantitative Precipitation Forecast (QPF)

SL No	BASIN NAME	SUB BASIN CODE/NAME	QPF Range in mm						
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1	NARMADA	Upper	11-25	11-25	0.1-10	0.1-10	11-25	11-25	11-25
		Middle	11-25	11-25	0.1-10	0.1-10	0.1-10	11-25	0.1-10
		Hosanga'd to ss	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10
		Lower	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10	0.1-10

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SL No	BASIN NAME	BASIN CODE/NAME	INTENSITY & SPATIAL DISTRIBUTION													
			(DAY-1) 16-07-2025		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	NARMADA	Upper	M	SCT	M	SCT	M	ISOL	M	ISOL	M	SCT	M	SCT	M	SCT
		Middle	M	SCT	M	SCT	M	ISOL	M	ISOL	M	ISOL	M	SCT	M	ISOL
		Hosanga'd to ss	M	ISOL	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL
		Lower	M	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL	L	ISOL

III. River Sub-basin-wise Heavy Rainfall Warning :

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			(DAY-1) 16-07-25		(DAY-2) 17-07-2025		(DAY-3) 18-07-2025		(DAY-4) 19-07-2025		(DAY-5) 20-07-2025		(DAY-6) 21-07-2025		(DAY-7) 22-07-2025	
			I	D	I	D	I	D	I	D	I	D	I	D	I	D
1	NARMADA	Upper	H	ISOL	H	ISOL	NIL	NIL	NIL	NIL	NIL	NIL	H	ISOL	H	ISOL
		Middle	H	ISOL	H	ISOL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Hosanga'd to ss	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Lower	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

IV. River Sub-basin-wise Probabilistic QPF

| Basin Name | Sub-basin Name | QPF Probability (%) | | |

V. STATION RECORDED SIG. RAINFALL (>=5cm) RECORDED AT 0830 HRS IST OF TODAY:

Name of Basin	Stations	RF	Stations	RF	Stations	RF	Stations	RF
NARMADA_MIDDLE	NIWAS	50.4	DHEEMARKHEDA	50.5				
NARMADA_UPPER	Manot _CWC	56.0						

VI. REALISED BASIN AVERAGE AREAL RAINFALL AT 0830 HRS. IST TODAY:

S NO.	BASINS NAME		SUB-BASIN CODE/NAME	REALISED AVERAGE AREAL RF
1	NARMADA	API (I) = 195.1	Upper Narmada	19.6
		API (II) = 195.3	Middle Narmada	6.2
		API (III) = 78.0	Hosangabad to Sardar Sarovar	3.3
		API (IV) = 111.0	Lower Narmada	1.3

प्रमुख,
बाढ मौसम कार्यालय, अहमदाबाद

LEGEND..

Spatial Distribution of Rainfall		
DRY	Dry	No Station reported rainfall
ISOL	One or two Places	25% or less number of stations recorded rainfall 2.5 mm
SCT	At a few Places	26%-50% number of stations recorded rainfall 2.5 mm
FWS	At many Places	51%-75% number of stations recorded rainfall 2.5 mm
WS	At most places	76%-100% number of stations recorded rainfall 2.5 mm

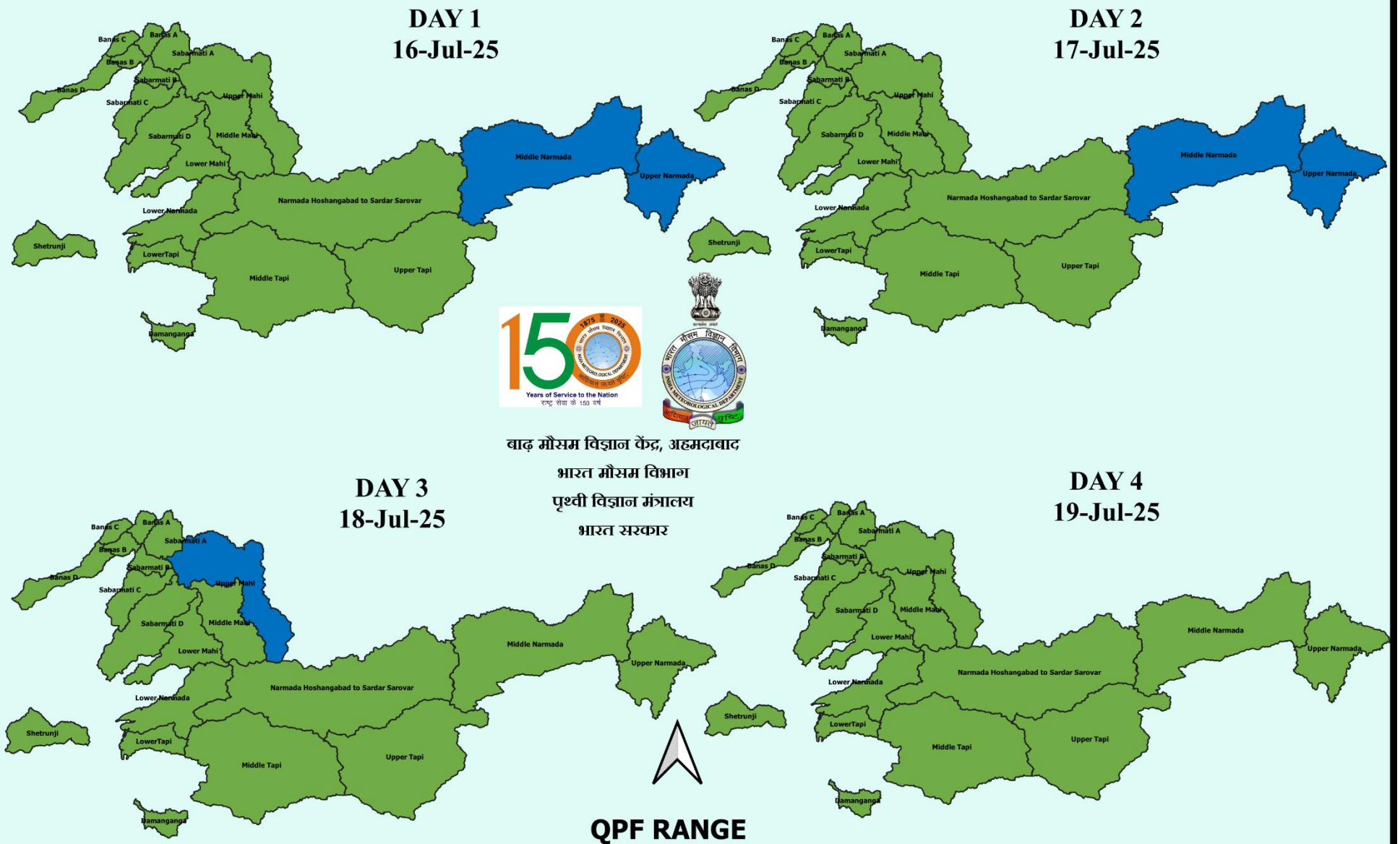
Intensity of Rainfall					
M.Dry	NIL	0 cm	VL	Very Light Rainfall	Trace
L	Light Rainfall	Upto 1 cm	M	Moderate rainfall	02-06 cm
H	Heavy rainfall	07-11 cm	VH	Very Heavy rainfall	12-20 cm
EH	Extremely Heavy rainfall	21 cm or More			
ExH	Exceptionally Heavy Rainfall	When the amount is a value near about the highest recorded rainfall at or near the station for the month or season. However, this term will be used only when the actual rainfall amount exceeds 12 cm			

Probability of occurrence (%)	0-5	5-25	25-50	50-75	75-100

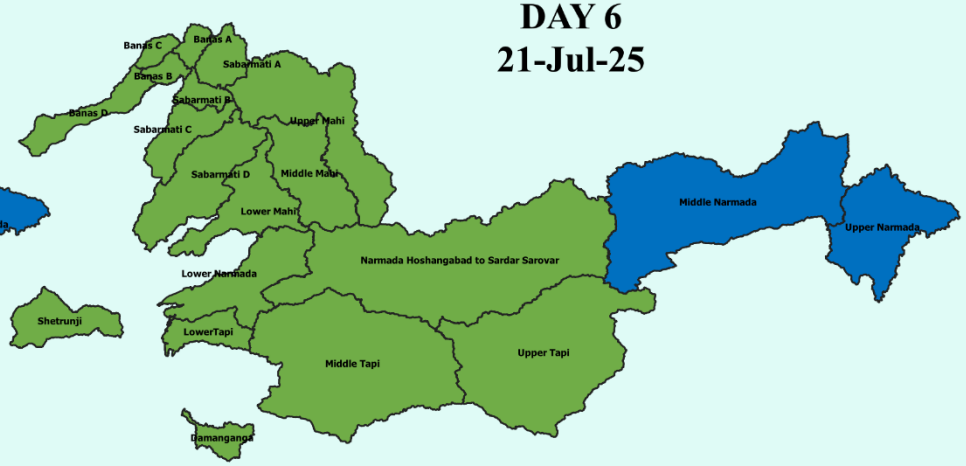
QPF Categories (in mm)	0	0.1-10	11-25	26-50	51-100	>100

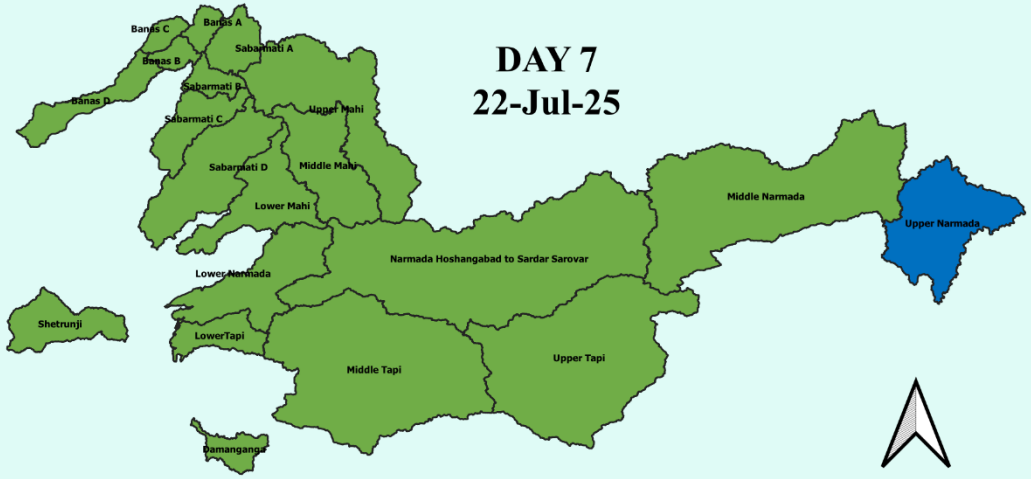
Forecast and Warning for any day is valid from 0830 hours IST of day till 0830 hours IST of next day

Quantitative Precipitation Forecast (QPF) For River sub Basin of FMO AHMEDABAD(Next 7-Days) DATE: 16-Jul-25



Quantitative Precipitation Forecast (QPF) For River sub Basin of FMO AHMEDABAD(Next 7-Days) DATE: 16-Jul-25





बाढ़ मौसम विज्ञान केंद्र, अहमदाबाद
भारत मौसम विभाग
पृथ्वी विज्ञान मंत्रालय
भारत सरकार

QPF RANGE

0 | 0.1-10 | 11-25 | 26-50 | 51-100 | >100