RECORD OF DAILY RAINFALL DATA

Agency: {e.g.,	State Water D	Data Centre. I	& CAD De	partment, A.P. >
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depende			Station Code :	
strict	ent River :		Local River : Latitude :	 Longitude:°′
				Month :
Date	Rainfall Observed a 0830 hrs. (mm)	t Remarks		
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tation N idepend istrict	ent River:		Local Riv	ode:er :	
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Date	Rainfall (mm)	Observed at	Daily Rainfall	Remarks	
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Supervisor/J.E. DPC Assistant Observer **Assistant Hydrologist**

RECORD OF HOURLY RAINFALL DATA

								Agend	cy: {e.g.	, State	Water E	Data Cei	ntre, I &	CAD D	Depart m	ent, A.F	? >								
			Sub	-Division	1 :												Div	ision	:						
Station N								Ir	ndepender	nt River:				Local Riv	/er:			Distri	ct :						
Latitude				Longi	itude :		"																		
																		Year	:		Mo	onth:			
Date									Rainfall	Amounts	(mm) for	Clock Ho	urs (India	n Standar	rd Time) E	nding At									Tota
	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	
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Date									Rainfall	Amounts	(mm) for	Clock Ho	urs (India	ın Standaı	d Time) E	nding At									Total
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Observer's remarks:	
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Form filled by: Manuscript checked: Data entered & checked by: Primary validation done by:

RECORD OF DAILY CLIMATIC DATA

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

Indepe Distric		iver:					River : le :°	, "		ongitude	•°	
65							:			onth: .		
Date	Min. Temp.	Max. Temp.	Dry Bulb Temp.	Wet Bulb Temp.	Rel. Humi.	Inst. Wind Speed	Av. Wind Speed	Wind Directi on	Pan Water Temp	Pan Evapo -ration	Rain- fall	Remarl
	(°C)	(°C)	(°C)	(°C)	(%)	(Km/h)	(Km/h)	(16pts.)	(°C)	(mm)	(mm)	
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RECORD OF TWICE-DAILY CLIMATIC DATA

Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

Sub-	Division:		Divis	sion :
Station Name :	•	Independent River :	Local River :	District :
Latitude :	Longitude :"			
				Year · Month ·

(OBSERVATIONS ARE AT 0830 & 1730 HRS. IST)

Date	Min.	Temp.	Max.	Temp.	Dry Bu	lb Temp.	Wet Bu	lb Temp.		umidity	Inst. Wi	nd Speed	Av. Wir	d Speed		Direct.		terTemp.	Pan E	vapo. (mm)	Rain	fall (mm)	Remark
L	()	C)	(`	C)	(°C)	(°	C)	(%)	(Kı	m/h)	(Kı	n/h)	(16	pts.)	(C)		1730		1730	
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Observer's remarks:

Form filled by: Manuscript checked: Data entered & checked by: Primary validation done by:

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RECORD OF HOURLY SUNSHINE DURATION DATA

Sub-Division :

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

Division

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RECORD OF HOURLY TEMPERATURE DATA

Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

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Station Name : Station Code :	Independent River:	Local River:	District:
Latitude : Longitude :			

																		Year	:		Mo	onth:			
Date										Tempera	ture (°C)	at Clock I	lours (Ind	ian Stand	ard Time)										Averag
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Observer's remarks:

Form filled by: Manuscript checked: Data entered & checked by: Primary validation done by:

RECORD OF HOURLY RELATIVE HUMIDITY DATA

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Station N				Static	on Code :			In	ndepender	nt River :				Local Riv	/er:			Distri	ct :						
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Observer's remarks:			
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RECORD OF MULTIPLE TIMES A DAY STAGE DATA

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P.} >

	ent River:			Station Code :	
istrict	:			Latitude:°'"	Longitude:°′
L. of G	auge Zero :		(m+m.s.l)	Year :	Month:
Date		ge (m) Observe	d at	Remarks	
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RECORD OF STAGE AND TEMPERATURE DATA

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

Station N				Station Code	:		
-	ent River :			Local River			• ' "
District	·			Latitude :		Longitude	·
R.L. of G	Sauge Zero :		(m+m.s.l.)	Year	r :	Month:	
Date	Sta	ge (m) Observe	d at	Те	mperatures (°C	C)	Remarks
	<0000 hrs >	<4200 hvo >	<1000 hua >	River Water	Min. Atm.	Max. Atm.	
1	<0800 hrs.>	<1300 hrs.>	<1800 hrs.>	<0800 hrs.>	0830 hrs.	0830 hrs.	
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RECORD OF HOURLY STAGE DATA

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

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Date	0100	0200	0300	0400	0500	0600	0700	0800	0900	Stage 1000	e (m) at C 1100	lock Hour 1200	s (Indian 1300	Standard 1400	Time) 1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	Av
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RECORD OF VELOCITY MEASUREMENTS FOR STAGE-DISCHARGE OBSERVATION

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

Station	n Name		Sub-Divis		:											irtmen livision	:						
			:				Local	River	:					de:					:				
	·		ro :		(m+m.:	s.l.)	Date	of Obs	ervatio	on :			Time	at Star	t :		Time	at Er	nd :				
Mode of Sound	of cross ling weightion of w	scha ing ght u vater	rge site:	F		ent 3 nits:	Metho Condi	d of ve	l. Obse weathe	r. : r :			River	water te	ding mp.:	taken wit	. At. to	emp.:					
	e Inforn		<u>on</u>				Jueng	<u>C</u>	urrent	Meter	Inforn	nation		-	-								
	Start End	Pe	Mean G rmanent S			(m) rary Site)	D R	ate of I	ast rati in	ng :		(sec.)	S S	ince v pin be	Eq. of C. when in u efore mea days in u	ise : . asure.:		(sec				
Me																							
Gaugi	ing Info	rma	vel (m+m. <u>ition</u> inding m	-					Weight	used	with m	neter:		Units	s:			lo. of	compa	rtment	s :		
Compartment No.	No. of Sections	Section No.	Observed Depth (m)	Vertical Angle (Deg.)	Airline Correction (m)	Wetline Correction (m)	Corrected Water Depth (m)	Contri. for Wetted Peri. (m)	Segmental Area (m²)	No. of Velocity Observations	Depth of Observation Point	No. of Revolutions	Time Taken (sec.)	Point Velocity (m/sec.)	Mean Velocity	Angle of Oblique. (Deg.)	Velocity Corr. fo Oblique. (m/sec.	Drift Distance (m)	Time for Drift (sec.)	Drift Correction (m/sec.)	Final Mean Velocity (m/sec.	Segmental Disch. (cumec.)	Remarks
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Max. F	e Slope	locit	: ty: servation	(m			adius ((R=A/P):		1)			/T):		(m²) (m)	N	Iean ∖	ischarg /elocity	(V) :			
fron	tance n CGL		Differen Distance			Surf evel ing (m)	Di	fferenc	ervatio e in ng (m)	n by Le		Mean Slope		Gauge		e Slope (Differ Gauge Re	ence in		y Staff C Slope	_ N	lean lope		
0 m	m U/S												_									.	
Chezy		e (C	= V/(RS)	0.5								Mannin	g's Val	ue (N =	= R ^{1/6} /	′C):							
Chara	cteristic	s of	river bed	:								Class o	f rough	iness u	ınder	which it	falls:						
Observ	er's rem	arks	:																				
Form fi	illed by:					Manusc	ript che	cked:				Data en	tered &	checke	d by:		F	rimary	validatio	on done	by:		
Obser	ver					Superv	isor/J.E	≣.				DPC As	ssistan	t			A	ssista	nt Hydr	ologist			

RECORD OF SUMMARY OF STAGE-DISCHARGE OBSERVATIONS

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P. >

ian Nama				Ct-ti-	Sub-Div	vision :		Diet						Divisio	n :							
ion Name enendent Ri	ver	• • • • • • • • • • • • • • • • • • •		Olado I ocal	River :			DISTI I atit	ııde	, ,			· ,	,,								
					Taver			Laut	uue		Long	itude .		•			Year:			Month	(s):	
		1																	1		1	1
Av. Time of Observation	Observation No.	Mean Gauge Reading (m)	Mean Water Level (m+msl)	Discharge (cumec.)	Observed/ Computed	Area (m²)	Surface Slope	Top Width (m)	Wetted Perimeter (m)	Hydraulic Radius (m)	Mean Velocity (m/sec.)	Manning's N	Gradient (m/day)	Fall (m)	Mode of Crossing	Method of Velo- city Observation	No. of Verticals/ Float Compt.	Max. Velocity (m/sec.)	Weather	Wind Velocity (km/h)	Wind Direction (16 pts.)	Remarks
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Assistant Hydrologist

Observer

Supervisor/J.E.

DPC Assistant

RECORD OF SUSPENDED SEDIMENT SUMMARY DATA

Agency: Central Water Commission, C&SR, Coimbatore

Sub-E	Division:					Divis	ion:		
Name Indepe	:			Loca	ion Code : al River :				
Distric				. Latit	tude:°		Longit	ude:	
R.L. of	Gauge Zero :		. (m+m.s.l.)			:			
Date	Time of	Gauge	Water	Total	Suspende	d sediment	concentratio	n (g/l)	Remarks
	observation	Reading (m)	Level (m)	Discharge (cusec)	Coarse Fraction	Medium Fraction	Fine Fraction	Total	
1									
2									
3									
4									
5									
6									
7									
8									
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Observe	er's remarks:		script checke	ed: Data	entered & o	checked by:	Primary	validation	done by:
Ohsan	/or	Supar	visor/ I F	DDC	Δecietant		Accieta	nt Hydrol	oaist

RECORD OF SAMPLE IDENTIFICATION

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P.} >

Sub-Division: Division:

Sample code	Filter				
Date Time Station code Container Preservation Treatment Glass PVC PF Teffon None Cool Acid Other None Decant II	Filter				
Parameter Container Preservation Treatment Container Preservation Treatment Preservation Preservatio	Filter				
Parameter Glass PVC PF Teflon None Cool Acid Other None Decant I	Filter				
I Glass PVC PF Teflon None Cool Acid Other None Decant I	Filter				
(1) Gen					
(2) Bact					
(3) BOD (4) COD, NH ₃ ,NO ₃					
(4) COD, NH ₃ ,NO ₃ (5) H. Metals					
(6)Tr. Organics					
(-)					
Source of sample					
Waterbody Point Approach Medium Matrix					
o River o Main current o Bridge o Water o Fresh					
	o Brackish o Salt				
o Canal o Left bank o Wading o Biota o Salt o Reservoir o Sediment o Effluent					
Sample type o Grab o Time-comp o Flow-comp o Depth-integ o Width-integ					
Sample device o Weighted bottle o Pump o Depth sampler					
Field determinations					
Temp °C pH EC μmho/cm DO mg/L					
Odour(1) Odour free(6) SepticColour(1) Light brown(6) Dark green(2) Rotten eggs(7) Aromatic(2) Brown(7) Clear					
code(2)Rotten eggs(7)Aromaticcode(2)Brown(7)Clear(3)Burnt sugar(8)Chlorinous(3)Dark brown(8)Other (specify)	y)				
(4) Soapy (9) Alcoholic (4) Light green					
(5) Fishy (10) Unpleasant (5) Green					
Remarks					
Weather o Sunny o Cloudy o Rainy o Windy					
Water vel. m/s o High (> 0.5) o Medium (0.1-0.5) o Low (< 0.1) o Standing					
Water use o None o Cultivation o Bathing & washing o Cattle washing o Melon/vegetable farming in river bed					

RECORD OF WQ SAMPLE IDENTIFICATION

<Agency: {e.g., State Water Data Centre, I & CAD Department, A.P.} >

Sub-Division:	Division:

Date/Time received at lab.	Date/Time collected	Station code	Project	Collecting agency/collector	Preservation	Parameter code	Lab. Sample No.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
_							
		_			_		

Note:

- Column (3) gives the station code conventionally followed by the monitoring agency.
- Column (4) gives the project under which the sample is collected.
- Column (7) corresponds to the parameter(s) code given in the sample identification form.
- Column (8) gives the laboratory sample number assigned to the sample as it is received in the laboratory. Note that the numbering has two parts separated by a hyphen. The first part is assigned in a sequential manner as samples are received from various stations. If two samples are collected at the same time from a station for different sets of analysis, the first part of the number is the same. The second part corresponds to the parameter code.
- The results of the analyses of all the samples having the same first part of the code would be entered in the data entry system as one sample having the same station code and time of sample collection.

RECORD OF WQ DATA AND VALIDATION

Name of Laboratory: Laboratory code:

Data record

	Field determinations					General				Nutrients			Org matter		Alkalinity		Hardness		Major ions					Other inorganics			Coliforms		Biol						
Lab sample No	Station code	Date of collection	рН	EC, µmho/cm	DO, mg/L	Temp, °C	Colour, code	Odour, code	Hd	EC, µmho/cm	TDS, mg/L	TSS, mg/L	NH ₃ , mg N/L	NO ₂ '+NO ₃ ', mg N/L	Total P, mg/L	BOD, mg/L	COD, mg/L	Phen, mg CaCO ₃ /L	Total, mg CaCO ₃ /L	Total, mg CaCO ₃ /L	Ca ⁺⁺ , mg CaCO ₃ /L	Ca ⁺⁺ , mg/L	Mg ⁺⁺ , mg/L	Na ⁺ , mg/L	K⁺, mg/L	CI', mg/L	SO ₄ ⁻ , mg/L	CO ₃ ⁻ , mg/L	HCO ₃ , mg/L	Si, mg/L	F, mg/L	B, mg/L	Total, MPN/100 mL	Faecal, MPN/100mL	Chlorophyll-A, μg/L
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)

Data validation

		Cations				Anio	ons			Ion balance		EC bal	Carbon bal	CO ₃ " bal	Verification criteria	Checked by	Remarks			
Lab sample No	Station code	Ca ⁺⁺ , meq/L	Mg ⁺⁺ , meq/L	Na ⁺ , meq/L	K ⁺ , meq/L	Total cations	CI', meq/L	SO ₄ ⁻ , meq/L	CO ₃ ", meq/L,	HCO ₃ ', meq/L	NO ₂ '+NO ₃ ', meq/L	Total anions	{(41)-(47)} / {(41)+(47)}	(39) / (42)	(12) / (11)	(18) / (17)	If (10) < 8.3, is (19)=0 ?			
(1)	(2)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)
																		(48) < 0.1 (49) = 0.8-1.2 (50) = 0.55-0.9 (51) > 1 (52) = yes		