GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
DAILY DISCHARGE DATA

CWC/RD-1

River ..... Site ..... Code No.....Date.....Time from ..... to .....

Mode of observation :- Bi Wading/Boat/Cable way/Bridge/Any other (Specify).....

Location of Discharge Site :- Permanent/Temporary site at a distance of .....meters U/S or D/S.....of .....

Meter No. and Make :- Rating Equation ..... Date of last rating .....Rated spin .....

Spine before measurement ..... After ..... Since when in use ..... No. of days for which in use ..... total No. of hours used.....

Threshold Velocity observed at 0.6D/Surface ..... Description of Floats ..... Length of Float run .....M

Float runs marked with ..... Section line marked with ..... Zero R.L., (G.T.S.) .....

Sounding Taken with .....Weight used .....

Method of suspending meter ..... Weight use .....

Type of Watch/Stop Watch used .....

Condition of water { Fairy Clear - / Ordinarily Silty - / Intensely Silty -

River Water Temperature (°C)

Atmospheric Temperature (°C) Max. Min.

Weather Condition : -

Direction of wind W. R. T. Current Current

Gauge	Permanent L. B	Permanent R. B.	Permanent Mean	Temporary L. B	Temporary R. B.	Temporary Mean
Begining						
End						
Mean						

Weighted Mean Water Level (Standard Bank) M

Velocity of Wind - { Very slight → / Slight → / Strong → / Very Strong → Km. Ph.

	R.D. or Section	Water depth (M)	Vertical angle	Air line Correction	Wet line Correction	Total Correction (4 +5)	Corrected water depth (m)	Difference in depth	Increase in bed (m)	Time (Sec)	Meter (Reves)	Mean velocity (M/Sec)	Angle of current with Section	Corrected mean velocity (M/Sec)	Drift (M)	Correction in velocity for drift	Final corrected mean velocity (M/Sec)	Product of water depth & velocity 7X17	Correction+or- for unequal segment	Remarks
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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TOTAL

Multiply by Common width of segement

Product-

Deduct

Correction Area (A) m²

TOTAL

Add Surface Width (w))

Wetted Peri-mete (P)

M

TOTAL

Multiply by Common width segment

Product -

Deduct Total Col. 19

Discharge (Q) M³/Sec.

P.T.O.

	Surface slope observed					
	Right Bank			Left Bank		
Distance	Back	Fore	Diff	Back	Fore	Diff
From C/L						
.....M D/S						
0						
..... M u/s						
Fall in Mean = S = 0.90						

(Only five places after decimal)

Saliant Data

1. V = Mean Velocity = $\frac{Q}{A}$
2. V max = Max Point Velocity
3. R = H.M.D. = $\frac{A}{P}$
4. C (Chezy) = $\frac{V}{VRS}$
5. N (Manning) = $\frac{R^{\frac{1}{6}}}{C}$
6. Mean depth = $\frac{A}{W}$

Where W = Width of water surface

Datum Area	Scour of Fill
of Date	
Previous	

OTHER INFORMATION

1. Characteristic of river bed .....
2. Class of roughness under which it falls.....
3. Every month or on each change a free hand Sketch should be made of the configuration of the river, 500 m. up stream and down stream of discharge site, showing direction of general flow of the river, and position of permanent and Temporary gauges and other permanent marks and their distances from the C/L section..

Signature of observer
Name
Designation

Signature of Inspection Officer
Date
Designation

Note : 1. Mean velocity (Col. No. 12) will generally be velocity at 0.6 Depth. Where mean velocity is deducted from surface velocity, the Co-efficient employed should be noted in remarks Column. Unless specially warrented co-efficient should be taken as 0.89

2. If no drift occurs, it has to be shown as Nil in column No. 15. (The column is never to be Left Blank).
3. Sum of area correction due to unequal end segments correction for each unequal end segment = (Common width of segment - $^1/_2$ the sum of segments on either side of the end R. D) X depth at the end vertical.
4. Column No. 19 - (Common width of segment = $^1/_2$ the sum of segments on either side of the end R.D) X Column No. 18.