

I/68405/2021 भारत सरकार

जल शक्ति मंत्रालय

जल संसाधन नदी विकास एवं गंगा संरक्षण

विभाग

केंद्रीय जल आयोग

उत्तर-पूर्वीअन्वेषणमण्डल-II



Government of India

Ministry of Jal Shakti

Dept. of Water Resources, RD&GR

Central Water Commission

North East Investigation Division-II

NEID-II/JE(HQ)/NIQ/2021-22

Date:

NOTICE INVITING QUOTATION

For and on behalf of the President of India, sealed quotations are invited for the following work by the undersigned from the authorized / reputed contractor/firms for carrying out the "Supply of RD forms and Registers under NEID-II, CWC, Aizawl,." during the financial year 2021-22. The Sealed Quotation will be received in the office of undersigned i.e. O/o Executive Engineer, NEID-II, CWC, Aizawl during working hours up to 15:30 hrs. on or before 04/09/2021 & shall be opened on same day by 16:30 hrs. by the undersigned/authorized official in presence of interested quotations or their authorized representatives who desired to remain present at the time of opening of quotations.

Description of items.	Estimate cost	Last date & time for receiving quotation.	Date & time for opening quotation	Location
Supply of RD forms and Registers	1,99,715/-	04.09.2021 15:30	04.09.2021 16:30	NEID-II, CWC, Aizawl

Terms and Conditions :-

1. The supply of the items should be done as per quotation within 15 days from the date of issue of Supply order.
2. The supply of RD forms and registers should be done in the O/o of Executive Engineer, NEID-II, CWC, Aizawl.
3. The material should be of standard quality and free from all defects and if found not suitable the same shall be asked for replacement at his own cost.
4. The rates shall be kept valid for minimum period of 60 days from the date of opening of quotation.
5. The rates should be inclusive of all local taxes such as Service Tax/GST etc.

जलशक्तिपुरम, जोमाबोक,
आईजोल,मिजोराम-796017
दूरभाष: 0389-2352266,
ई मेल: neid2-cwc@gov.in

●जल संरक्षण-सुरक्षित भविष्य●



Jalshaktipuram, Zemabawk
Aizawl, Mizoram-796017
Tel: 0389-2352266,
E-mail: neid2-cwc@gov.in

●Conserve Water- Save Life●

I/68405/2021

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा
संरक्षण विभाग
केंद्रीय जल आयोग
उत्तर-पूर्वीअन्वेषणमण्डल-II



Government of India
Ministry of Jal Shakti
Dept. of Water Resources,
RD&GR
Central Water Commission
North East Investigation Division-II

6. Rates of Service tax/GST should be mentioned as applicable.
7. The rate of items should be quoted both in figures as well as in words.
8. The quotation number with date of its opening has to be clearly mentioned on the top of the quotation and sealed cover.
9. The quantities mentioned are likely to increase or decrease at the time of placing of supply order.
10. Any correction in the quotation should be clearly attested.
11. Request for any advance payment will not be entertained.
12. The work carried out by the firm shall be guaranteed. The undersigned reserves the right to cancel/reject in part or full or any/all the quotation without assigning any reason thereof and without any financial involvement from either side.
13. Payment will generally be made via online mode through PFMS directly on the bank account of the bidder on production of bills.
14. Only those firms having PAN/GST etc. can be eligible to submit their quotation.
15. Any quotation, which does not comply with the above guidelines, runs the risk of being rejected.
16. In case of any dispute, the decision of The Executive Engineer, NEID-II, CWC, Aizawl shall be final and binding on all concerned.

Signed by Awdhesh Kumar
Date: 24-08-2021 16:40:05
Reason: Approved
(Awdhesh Kumar)
Executive Engineer
NEID-II, CWC, Aizawl

Copy along with copies of quotation for information and wide circulation to:

1. The Superintending Engineer (NEIC), CWC, Shillong
2. The SDE(HQ), NEID-II, CWC, Aizawl.
3. The Accounts Branch, NEID-II, CWC, Aizawl.
4. Notice Board/CWC Portal.

Schedule of Quantities

जलशक्तिपूरम, जोमाबोक,
आईजोल,मिजोराम-796017
दूरभाष: 0389-2352266,
ई मेल: neid2-cwc@gov.in



Jalshaktipuram, Zemabawk
Aizawl, Mizoram-796017
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जल संरक्षण-सुरक्षित भविष्य

Conserve Water- Save Life

I/68405/2021

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा
संरक्षण विभाग
केंद्रीय जल आयोग
उत्तर-पूर्वी अन्वेषण मण्डल-II



Government of India
Ministry of Jal Shakti
Dept. of Water Resources,
RD&GR
Central Water Commission
North East Investigation Division-II

Supply of RD forms and Registers under NEID-II, CWC, Aizawl

S.NO.	PARTICULARS	QUANTITY	RATE	AMOUNTS
	Details of Registers			
1	RD-1 Register(200page)	50		
2	RD-2 Resister(100page)	50		
3	RD-3 Resister(100page)	50		
4	RD-4 Resister(100page)	50		
5	RD-6 Resister(100page)	25		
6	RD-7 Resister(100page)	25		
7	RD-8 Resister(100page)	25		
8	RD-9 Resister(100page)	25		
	Details of forms			
9	RD-1(100page)	50		
10	RD-2(100page)	50		
11	RD-3(100page)	50		
12	RD-4(100page)	50		
13	RD-6(100page)	50		
14	RD-7(100page)	50		
15	RD-8(100page)	50		
16	RD-9(100page)	50		
17	RD-16(Sets)	200 sets		
		Total		

Rupees.....

.....only

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(Signature of contractor with seal)

जलशक्तिपुरम, जोमाबोक,
आईजोल,मिजोराम-796017
दूरभाष: 0389-2352266,
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जल संरक्षण-सुरक्षित भविष्य

Conserve Water- Save Life

(Signature of contractor with seal)

CWC/RD-1
Government of India
Central Water Commission
Daily Discharge Data

Observation No.....

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

Mode of Crossing:- By Wading/ Bridge/ Boat/ Boat with OBE/ Boat With IBE/Boat with Cable Way/ Cable Way/Bank Operated Cable Way/Cable Way with trolley.....

Method of Velocity Observation:-Floats/ Current Meter/Slope Area/Dilution Method/ Floats with Respect to RDs/ ADCP.....

Location of Discharge Site: A) Permanent Site.....

 B) Temporary Site.....

 Distance of Permanent Site

 U/S/ D/S/

Depth measured with:- Wading Rod/Sounding Pole/Metallic Reel/ Echo Sounder/Cross Section.....

Sounding weight used: (Kg/Lb).....

Condition of Water Fairly Clear.....

 Ordinary Silty.....

 Intensely Silty.....

River Water Temperature (°C).....

Mean Water Level (Standard Bank).....Meter

Atmospheric Temperature - Max.....°C..... Min.....°C

Weather Condition.....

Direction of Wind w.r.t. stream flow.....

Strength of Wind: Very Slight / Slight / Strong / Very Strong.....

Velocity of Wind: Km / Hr Rainfall

Current Meter Observation

Meter No. and make.....Equation.....Date of last Rating.....Rated Spin

Spin Before Measurement.....

Spin After Measurement.....

Date of first use No. of days used

Method of Suspending Meter:

Weight used with meter:

Observed velocity at 0.6 D / Surface...../.....Float details.....Float travel distance.....Float travel distance marked with

Gauge Information

Zero RL (GTS) m

Gauge	Permanent			Temporary		
	Left Bank	Right Bank	Average	Left Bank	Right Bank	Average
Beginning						
End						
Mean						

[illegible]

Computed Data	Top Width (m):	Wetted Perimeter (m):	Area (m ²):	Area correction (m ²):	Net Area (m ²):	Discharge (m ³ /sec):	Discharge correction (m ³ /sec):	Net Discharge (m ³ /sec):

Slope Measurement						Main data
Location of Level Observations	Right Bank Details		Left Bank Details		Mean Reading	1. Average velocity, $V = Q/A =$ 2. Max. velocity, $V(\text{max}) =$ 3. Hydraulic mean depth, $R = A/P =$ 4. Chezy, $C = V/(RS)^{0.5} =$ 5. Mannings, $N = R^{1/6}/C =$ 6. Average Depth = $A/W =$ 7. Where W =width of water surface
	Distance from CGL	Level Reading	Distance from CGL	Level Reading		
U/S Gauge Line:						
Central Gauge Line:						
D/S Gauge Line:						
Slope:	Fall in meters:			Distance:		
Mean Slope:						

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, 500m upstream and downstream of the discharge site, Showing direction of general flow of the river and position of permanent and temporary gauges and other permanent mark and their distance from the C.L. Section.

Signature of Observer

Name

Designation

Signature of inspecting officer

Name

Designation

Note:-

- Mean velocity (Cl. No. 18) will generally be velocity at 0.6 Depth. Where mean velocity is deducted from surface velocity, the co-efficient employed should be noted I remarks column. Unless proven specially, the co-efficient should be taken as 0.89.
- If no drift occurs, it has to be shown as NIL in column No. 23, the column is never to be left blank.
- Sum of area corrections due to unequal segments. Correction for each unequal segment= $\frac{1}{2} \times (\text{Dry distance of preceding/succeeding R.D. from water edge}) \times \text{depth at the end Vertical.}$

Government of India
Central Water Commission
Daily Discharge Data

Statement Showing details of First/ Second/ Third Ten Daily Discharge Observation

Position of Discharge Site.....

Method of Segmentation.....

Sounding taken with/weight used.....

Velocity observed by.....at 0.6 depth/surface

Mode of discharge observation.....

Standard Gauge on Right/Left Bank.....
 R.L. of Zero of Gauge (G.T.S.).....
 Date of its last checking.....

[illegible]

CWC/RD-3**Government of India
Central Water Commission**

Month.....20.....Statement showing Daily Gauge Reading

River.....Site.....Code No.....

Zero of Gauge (G.T.S.)..... Type of Site

Date	Gauge reading at C/G Line (m)			Water Level (m)			River Water Temperature (°C)	Atmospheric Temperature(°C)		Remarks of Inspecting Officer
	0800 Hrs	1300 Hrs	1800 Hrs	0800 Hrs	1300 Hrs	1800 Hrs		Max.(° C)	Min.(° C)	
1	2	3	4	5	6	7	8	9	10	11

Signature of Observer
NameSignature of SDE
Sub-DivisionExecutive Engineer
Division /Designation
Central Water Commission

Government of India
Central Water Commission

Statement showing details of First/Second/Third Ten Daily Hourly Flood Level

Zero of Gauge (G.T.S.)

.....Highest Water Level during the month m.
 Highest Water Level during the year (m)
 Ever Recorded Highest Water Level and Date of occurrence.....

Executive Engineer
..... Division
Central Water Commission

CWC/RD-5
Government of India
Central Water Commission

Month.....20.... Record of Ground Water Level

River.....Site.....Code No.....

Location of well(Village)..... Approximate Distance from Central Line.....

Purpose for which well is used.....

Elevation of reference point on the top of the well.....

Average Elevation of the well.....

Elevation of the bed of well.....

Geological features of the well.....

[illegible]

Monthly Average Water Level

- 1- Enter approximate symbol in column '8' according to the following description:-
 - (a) Heavy precipitation (Rain and/or Snow) since last measurement.
 - (b) Moderate precipitation (Rain and/or Snow) since last measurement.
 - (c) Slight or no precipitation (Rain and/or Snow) since last measurement.
- 2- Pond, ditches and depressions nearly filled with water.
- 3- Pond, ditches and depressions nearly dried up.
- 4- The ground is frozen.
- 5- Surface water may be have flowed into the well.
- 6- If the well has been in use, indicate the time interval (in hours) between the cessation of use are measurement in remarks column.
- 7- If pumping takes place in a nearly well indicate its distance, duration of pumping and approximate discharge in the remarks column.

Signature of Observer

Name

Designation

Signature of SDE

Sub-Division

अधिकासी अभियंता / Executive Engineer

..... Division

Central Water Commission

CWC/RD-6
Government of India
Central Water Commission

Month.....20.....Record of Rainfall

River..... Site..... Code.....

Type of Rain gauge: Ordinary/ Self-recording.....

Date	Rainfall at 20:30 hrs (mm) on the previous day	Rainfall at 08:30 hrs (mm)	Total Rainfall during the day (mm)	Cumulative Rainfall till date for the month (mm)	Cumulative Rainfall for the year (mm)	Remarks
1	2	3	4	5	6	7
Total						

Total annual rainfall

- 1- Till the end of previous month..... mm
- 2- Till the end of current month.....mm.
- 3- Number of rainy days during the current month.....

Signature of Observer
Name
Designation

Signature of SDE
Sub-Division

Executive Engineer
..... Division
Central Water Commission

CWC/R.D.-7

Govt of India

Central Water Commission

Daily Record of Suspended Sediment Analysis

River.....Site.....Site Code No.....Date.....

Sampling section.....Gauge Line/Bridge/Temporary Section.....

.....Time.....From.....to.....

Mode of sampling/ Launch/ Ropeway/ Boat with or without O.B.E/ Bridge/ Wading.....

River Water Colour.....

Type of Suspended sediment sampler used.....

Temp of River Water..... Weather.....

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
	Total																					
	Average																					
	Weighted Concentration																					

$$\text{Weighted mean concentration (g/l)} = \frac{\text{Total Load (Tones/day)}}{(\text{Run off}) \times 10^4}$$

Fine Sediment					
Concentration of Fine Sediment (bellow0.075 mm)		Dissolved Solid		Gauge and Discharge	
				Details	M.K.S.Unit
Weight of Filter Paper (gm)		Weight of Empty Dish(gram)		Initial Gauge	
				Final gauge	
Weight of Filter Paper + Dry Sediment		Weight of Empty dish+ Dissolved solid (Gm)		Average Gauge	
				Zero R.L.	
Weight of Sediment		Weight of Dissolved Solid(gm)		Average Water level	
				Discharge	
Concentration(gm/l)		Concentration(g/l)		Run Off Per Day	
				Average Velocity	
Load (Tons/Day)		Concentration (PPM)			

	Grade	Concentration(g/l)	Load (Tons/Day)	
	Coarse			
	Medium			
	Fine			
	Total			

Signature of Observer

Asstt. Research Officer

Executive Engineer

Name.....

..... Division

..... Division

Designation.....

.....

CWC/RD-8
GOVT.OF INDIA
CENTRAL WATER COMMISSION

During the Month of.....details of suspended sediment for the First/Second/Third 10 days

Site..... Code No.....

River Rock and or soil type at Site.....

division..... Sub-Division.....

Zero reduced level of gauge

[illegible]

Weight of Daily Suspended Sediment

[illegible]

Signature of observer.....

Name.....

Designation.....

Asstt. Research Officer/Research Officer

..... Division

.....

Executive Engineer

..... Division

.....

CWC/RD-9

Government of India

Central Water Commission

Year.....

ABSTRACT OF SUSPENDED SEDIMENT LOAD DATA FOR THE YEAR

River.....

Site.....

Code No.....

Cross Section.....

Rock and Soil type at site.....

Zero R.L. of Gauge (G.T.S.).....m.

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

Signature of Observer

Asstt. Research Officer

Executive Engineer

Name.....

..... Division

..... Division

Designation.....

.....

CWC/RD-10
Government of India
Central Water Commission
MEAN DIAMETER OF SEDIMENT PARTICLES

Below 0.6 mm. dia.)

IMPORTANT :-This Form is to be used alone when the percentage of particles above 0.6 mm is less than or equal to 5.0 and with Form CWC/RD-11 if the percentage exceeds 5.0.

River.....Temperature of water in Siltometer.....

SiteCode No.....Field Sample No.

Date of SamplingLaboratory Sample No.

Date of Analysis

EXPERIMENTAL VALUES				-INTERPOLATED VALUES			
Diameter in mm.	Actual Volume (C.C.)	Actual Percentage by Weight	Summation Percentage	Diameter in mm.	Summation Reading (=S)	Distribution Value Percentages	Mean Diameters Plotted mm.
				0.06			
				0.08			0.07
				0.10			0.09
				0.12			0.11
				0.14			0.13
				0.16			0.15
				0.18			0.17
				0.20			0.19
				0.22			0.21
				0.24			0.23
				0.26			0.25
				0.28			0.27
				0.30			0.29
				0.32			0.31
				0.34			0.33
				0.36			0.35
				0.38			0.37
				0.40			0.39

				0.42			0.41
				0.44			0.43
				0.46			0.45
				0.48			0.47
				0.50			0.49
				0.52			0.51
				0.54			0.53
				0.56			0.55
				0.58			0.57
				0.60			0.59
TOTAL							

Quantity Sieved =

Quantity below 0.6 =

Initial Weight of portion put in = W1

Siltometer) = W2

Final Weight =

Loss = $(W_1 - W_2)$

% above 0.6 mm. = (Y) 1. Total of 'S' Column = (T)

% 0.2-0.6 mm. = 2. $0.61 + 0.0019(Y)$ =

% 0.2-0.6 mm. = 3 $0.0002 T$ =

% below 0.06 mm = (P) $0.0004 P$ =

50% Diameter = 5. Mean Diameter = $=(2)-(1)-(4)$

Signature of Analyst Assistant Research Officer Executive Engineer

NameDivision

Designation Water Quality Research Laboratory-2

.....Division

CWC/RD-11
Government of India
Central Water Commission
MEAN DIAMETER OF SEDIMENT PARTICLES
(Below 0.6 mm dia.)

IMPORTANT: -

This form is to be used as a supplement to Form No. CWC/RD-10 and only when the percentage of particles above 0.6 mm exceed 5.0. The summation curve in a case is to be drawn on a compressed scale as well as on ordinary scale.

River..... Cross Section No. R.D.....

SiteCode No..... Field No.

Laboratory Sample No.

Experimental Values		Interpolated Values						Result of Slope Analysis		
Diameter in mm	Summation Percentage	Diameter in mm	Summation Reading (=S)	Distribution Value Percentage	Diameter in mm) Summation Reading (=S)	Distribution Value Percentage	Aperture in mm	Quantity retained gms.	Retained Percentage
0.1		0.1								
0.2		0.2								
0.3		0.3								
0.4		0.4								
0.5		0.5								
0.6		0.6								
1.0		0.7								
1.5		0.8								
2.0		0.9								
2.5		1.0								

3.0		1.1								
3.5		1.2								
4.0		1.3								
4.8		1.4								
		1.5								
		1.6								
		1.7								
		1.8								
		1.9						4.8		
		2.0						4.0		
		2.1						3.5		
		2.2						3.0		
		2.3						2.5		
		2.4						2.0		
		2.5						1.5		
		2.6						1.0		
		2.7						0.6		
		2.8						Passing0.6		
		2.9								
		3.0								
		3.1						Total		
		3.2								
		3.3								
		3.4								
		3.5								
		3.6								
		3.7								
		3.8								
		3.9								
		4.0								
		4.1								
		4.2								

		4.3					
		4.4					
		4.5					
		4.6					
		4.7					
		4.8					

1. Total of 'S' column (=T) =

2. Highest Diameter + 0.05 (= A) =

3. 0.0001 T ($=B$) =

4. Mean Diameter (=A-B) =

Signature of Analysis

Name

Designation

Signature of A.R.O./R.O.

Executive Engineer

.....Division

Central Water Commission

Observation Section (CL/US/DS).....[illegible]

Government of India
CENTRAL WATER COMMISSION

Vertical Velocity and Sediment Distribution Experiment

River..... Site..... Code No.
 Date.....Time From.....To.....
 Experiment No.....Section and R.D.Water Depth.....
 Water Level Beginning..... End.....Mean.....Discharge.....

Coarse Sediment					Medium Sediment		Remarks
Sampling point	Sampling depth	Velocity (m/s)	Total(g)	Concentration (g/l)	Total(g)	Concentration (g/l)	
1	2	3	4	5	6	7	8
Surface							
0.1 D							
0.2 D							
0.3 D							
0.4 D							
0.5 D							
0.6 D							
0.7 D							
0.8 D							
0.9 D							
Total							
Mean							
Max.							
Min.							

Note-

Total- Sum of values at all decs-depth+1/2 the value of water surface

Mean:
$$\frac{\text{Total}}{10}$$

Summary:

1. Mean velocity by graphical integrative method (V).....m/s
2. Mean velocity (V) /occurred at.....depth below water surface.
3. Ratio of mean velocity(V) to the surface velocity.....
4. Ratio of mean velocity to velocity at 0.6 depth.
5. Mean sediment concentration by graphical integration method: -
 - (i)Coarse sediment.....
 - (ii)Medium sediment
- 6.Mean Sediment concentration occurred at:
 - (i)Coarse sediment.....
 - (ii)Medium sediment
7. Ratio of mean sediment concentration to sediment concentration at 0.6 depth.....
 - (i) Coarse sediment.....
 - (i) Medium sediment.....

Signature of Observer
Name
Designation

Signature S.D.E.
Sub Division

Executive Engineer
.....Division

C.W.C/ R.D.-14
Government of India
Central Water Commission

Physical & Chemical Specialties of River/Well Water Samples
Pollution Study of Well & River at Central Line

Pollution Study of Well & River Water Samples collected at C/L													pH	Conductivity mho/cm	Water Level in well	Datum Level of Well	Distance of well from C/L	Depth of sampling Point	Mean Water Level of the river	Date of receipt
Sl. No	Lab Sample No.	River	Site	Situation	Date	Time	Weather	Water Color	Odor of Water	Temp in degree C	Discharge in m3/sec	Volume in Lit.								
				U/S																
				D/S																
				C/L																
				Well																

Signature of Senior Research Asstt/Junior Engineer/
Gauge Asstt

Name of Discharge Site

C.W.C/ R.D.-15
Government of India
Central Water Commission

..... DIVISION.....	
RESULT OF DISSOLVED OXYZEN AND BIO-CHEMICAL OXYGEN DEMAND EXPERIMENT	
River.....	Site..... Code No.
Type of Sampler used for collecting data for Dissolved Oxygen / B.D.O. Experiment..... Is sampler in working order.....	

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

Signature of Observer

Name.....

Post.....

Asstt. Research Officer/Research Officer

.....Division .

Executive Engineer

..... Division

CWC/RD-16
Government of India
Central Water Commission

INSPECTION REPORT

(Please do not leave any item blank. Fill up the form completely indicating N.A. against items not applicable)

River.....Site..... Code.....Date.....

1- From.....To.....

Period of present inspection:

By

2- When was this site last inspected and by whom?

I. GAUGE AND DISCHARGE OBSERVATION

3- Type of navigational equipment (Boat/Motor Launch/OBE/Jet Boat etc.) in use and its condition

4- Mention if sufficient number of life buoys, life jackets, oars etc. are provided.

5- Type of engine, if any and its condition.

6- Total running hours of the engine.

7- Date of change of gear oil.

8- Verify log book and fuel consumption.

9- Comment on condition and performance of the following.

(a) Stop Watch

(b) Sounding rod

(c) Wading rod

(d) Suspension equipment

(e) Tape

(f) Other scientific and mathematical instruments

10- Leveling operation-

(a) Level No.

(b) Check permanent adjustment and state the result.

(c) Check zero level of the gauge and state the result

11- Is there standard bench mark available within easy reach?

12- When the site B.M. was last checked with Musto type B.M.?

13- Type of river Gauges (wooden/concrete/steel/enamel plate/vertical/inclined/permanent/temporary etc.) and their condition.

14- Describe the river condition at site (Please indicate the number of channels, prevailing flow conditions including overflow of banks, river morphology, erosion problems, if any, etc.)

15- Describe method of segmentation

16- If pivot-point lay out is existing, has it been checked for the correctness? If yes, when and by whom?

17- If a cable way or cradle exists? Indicate its condition.

18- No. of current meter, make and its rating equation.

19- General condition (please indicate if the current meter and its accessories are in working condition without any damages)

20- Can the observer handle it efficiently?

21- When was it last re-rated?

22- Check spin before and after use and record result.

23- No. of check meter, make and its rating equation.

24- Mention the result of complete joint observation with both meters and record result if done during the inspection and enclose both discharge observations.

25- Possible reasons for the difference in two results and remedies suggested.

26- Submit a statement of daily gauge, discharge and value of 'c' 's' and 'n' (manning) for the last ten days and comment on the data with detailed reasons for variation, if any.

II. FIELD SEDIMENT OBSERATION AND ANALYSIS.

27- Type of suspended sampler used and its condition.

28- Whether the samples are connected from 0.6 D? if not, state the sampling point and reason for non-collection of samples according to the prescribed norms.

29- Describe the arrangement for keeping the samples in the boat and the carriage of samples to the laboratory.

30- Make joint observation with the observer and record results.

31- Distance between the site and silt laboratory.

32- Is the laboratory kept neat and in proper order?

33- Check all the instruments in the lab and give your comments, if any.

(a) Physical balance

(b) Chemical balance

(c) Meter

(d)Weights

(d) Other instruments

34- Is laboratory fully equipped? If not, mention the apparatus required.

35- Has any special experiment been conducted? If so, state the nature and number of experiments conducted and suggestions for improvement, if any.

36- Has bed-material survey been conducted at the site? If so, state position and number of samples collected during the month.

37- Is the bed material sampler in working order?

III. WATER QUALITY WORK

38- Number of sampling sections and their location.

39- Number of samples collected from each section and exact position of sampling (width-wise and depth-wise)

40- No. of tests conducted at site and the comments of the inspecting officer thereon.

41- Number of samples sent to Division/Circle laboratory and purpose thereof.

IV RAIN GAUGE

42- Type of rain gauges and their conditions.

43- Whether the rain gauges are installed as per prescribed norms (please indicate if the site is free from obstructions.)

44- Check the working of the self-recording rain gauge.

V WIRELESS STATION

45- Mention the type and condition of wireless et at site.

46- Mention the condition of the building and its surroundings.

47- Condition of the battery in use.

48- Condition of the generator, if any.

49- Condition of the mast and antenna.

VI GENERAL

50- Have the points noted in the last inspection report fully attended?

51- Have the data in relevant formats been sent by the JE/RA promptly and regularly? Please indicate the action taken in cases of delay.

52- Examine all records maintained at site (including attendance register) and point out shortcomings.

53- General remarks and suggestions.

Signature of Junior Engineer
Name
Designation
Date

Signature of Asst Research
Name
Designation
Date

Signature of inspecting officer
Name
Designation
Date