Government of Jammu and Kashmir,
Forest, Ecology & Environment Department
Civil Secretariat, Jammu/Srinagar

Executive Director (Technical),
National Mission for Clean Ganga,
Department of Water Resources, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti,
Shram Shakti Bhawan, New Delhi.

No.FST-Lit/14/2021(7268750) Dated.22-02-2024

Subject: Monthly Progress Report by States/UTs, pursuant to the Hon'ble NGT order dated 24.09.2020 in the matter of OA No.673/2018 for the month of January, 2024.

Sir,

With reference to the subject captioned above, I am directed to forward herewith a copy of Monthly Progress Report (as per revised format) in respect of Union Territory of J&K, for the month of January, 2024 for favour of information and further necessary action.

The data in the Monthly Progress Report has been compiled after receiving inputs from J&K Pollution Control Committee.

Yours faithfully,

(Vivek Modi)
Special Secretary (Technical)
22/02

Encls:As above.

Copy along with enclosure to the:-

1. Member Secretary, Central Pollution Control Board, New Delhi.
2. Member Secretary, J&K Pollution Control Committee.
3. PS to Financial Commissioner (ACS), Jal Shakti Department.
4. PS to Commissioner/Secretary to the Government, Housing & Urban Development Department.
5. PS to Commissioner/Secretary to Government, Mining Department.
6. PS to PCCF & HoFF, J&K.

Revised format for submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to Hon'ble NGT Order dated 24.09.2020)

For the month of January-2024

For the Union Territory of Jammu & Kashmir

Overall status of the UT:

I. Total Population : Urban Population & Rural Population separately ***(projected 2020)***
   a) Urban Population = 48.43 lac.
   b) Rural Population = 101.57 lac.

II. Estimated Sewage Generation (MLD):
   a) Urban @ 108 lpcd=523 MLD
   b) Rural @ 44 lpcd= 447 MLD.

III. Details of Sewage Treatment Plant : Updated status awaited from H&UDD.

- Existing no. of STPs and Treatment Capacity in (MLD):
- Capacity Utilization of existing STPs:
- MLD of sewage being treated through Alternate technology:
- Gap in Treatment Capacity in MLD:
- Sewage treated through in-situ technology (Septic tanks/Soakage Pits/FSTPs):
- Actual Gap:
- Projects under construction:
- No. of Operational STPs:
- No. of Complying STPs:
- No. of Non-complying STPs:

(A) Details of each existing STP in the UT of J&K — Updated status awaited from H&UDD.
(B) Details of under construction STPs in the UT of J&K – Updated status awaited from H&UDD.
(C) Details of Proposed STPs in the UT of J&K – Updated status awaited from H&UDD.

IV. Details of Industrial Pollution:-

Status of ETPs as per Field Report						
No. of Industries in the UT of J&K		Total No. of Water Polluting Industries in the UT of J&K require ETPs	No. of Industries having Functional ETPs	No. of Industries operating without ETPs	Quantity of Effluent generated from the Industries in MLD	Remarks
Jammu	4746	191	189	2	14.597	(2) notices issued
Kashmir	5554	104	79	25	1.943	(15) closure orders issued. (5) closure proceedings initiated. (5) notice issued
Total	**10300**	**295**	**256**	**39**	**16.54***	

*#(Data of quantity of effluent generated from the industries is reconciled)

- Status of the CETPs Existing and Proposed:

Status of CETPs			**Total**
Existing	**Under Construction**	**Proposed**	
a) Phase I SIDCO IGC, Samba = 1 MLD b) Phase II SIDCO IGC, Samba = 1 MLD c) Phase II SIDCO IGC, Samba = 0.5 MLD d) Phase III SIDCO IGC, Samba = 0.5 MLD	a) Industrial Estate, Digiana, Jammu = 0.1 MLD. b) Back side of M/s Sudhir Gensets, SIDCO Complex, Bari Brahmana = 1.5 MLD		

	c) EPIP SIDCO, Bari Brahmana = 0.5 MLD		
a) Industrial Area Ghatti Tehsil and District Kathua (Installed by not commissioned as yet) = 0.45 MLD	a) SICOP CETP IID Centre Batal Ballian, Udhampur = 0.5 MLD b) SICOP CETP IID Centre Batal Ballian, Udhampur = 0.5 MLD		
a) IGC Lassipora Pulwama = 600 KLD b) IGC Lassipora Pulwama = 500 KLD c) I E Khunmoh Srinagar = 500 KLD d) I E Khrew Pulwama = 50 KLD e) I E Wuyan Pulwama = 500 KLD f) I E Bagi Ali Mardan (Srinagar)= 500 KLD g) I E Chotipora Kupwara = 50 KLD h) I E Ganderbal = 10 KLD	a) I.E Rangreth Budgah = 1000 KLD	a) I E Radbugh, Kupwara =10KLD b) I E Branwari Kupwara = 10 KLD c) I E Branwari Kupwara = 10 KLD	
13	**6**	**3**	**22**

V. Solid Waste Management: Updated status awaited from H&UDD.

Solid Waste Management	
• Total Number of Urban and Local Bodies and their Population.	
• Current Municipal Solid Waste Generation	
• Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- i. Waste to Energy (Tonnage and Power Output), ii. Compost Plants (Windrow, Vermi, decentralized pit composting), iii. Bio-methanatiuon, MRF etc.	
• Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)	
No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction	

Total no. of wards,		
no. of wards having door to door collection		
no. of wards practicing segregation at source		
Details of MSW treatment facilities proposed and under construction (no., capacity, and technology)		
No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.		
No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers		
No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers		
MSW Management ULB		
Total MSW generation in TPD		
Total MSW being processed in TPD		
Existing MSW facilities Utilization Capacity of the existing MSW facilities Proposed MSW Facilities & Completion Timeline		

VI. <u>Bio-medical Waste Management:</u>

- Total Bio-medical generation:
    a) Jammu = 1748.78 Kg/day as per Annual Report 2022
    b) Kashmir = 6902.64 Kg/day as per Annual Report 2022
    Total = 8651.42 Kg/day

  Covid-19 Bio-medical waste for the month of **January-2024:**
    a) Jammu = 0.00 kg/Month
    b) Kashmir = 0.00 Kg/Month

- **No. of Hospitals and Health Care Facilities:**
    a) Jammu = 4024
    b) Kashmir = <u>3647</u>
    Total = 7671

- **Status of Treatment Facility/ CBMWTF: 3 Operational Facilities** with PCDs, OCEMS installed in facility
    a) M/s Anmol Health Care, Jammu (OCEMS installed).
    b) M/s Kashmir Health Care System, Kashmir (OCEMS installed).
    C) M/s Clean City Waste Management, Kashmir (OCEMS installed).

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:
  a) Jammu = **2093.0028** MT / Annum.
  b) Kashmir = **443.28** MT/Annum.
  Total = 2536.2828 MT/Annum

- No. of Industries generating Hazardous waste :

  a) Jammu = 261
  b) Kashmir = 165
  Total = 426

- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated:
  a) Hazardous waste is being disposed off through TSDFs located outside J&K, through M/s Bharat Oil and Waste Management Ltd, Kanpur Dehat (UP) authorized by JKPCC.
  b) Hazardous waste is also disposed off in TSDFs namely M/s Ramasethu Infrastructure Pvt. Ltd. located at IGC Samba, J&K.

VIII. Plastic Waste Management:-

- Total Annual Plastic Waste generation in J&K =**34384** MT/Annum (app.), with monthly average of **2865** MT (app.)
- Seizure done **(April to January-2024)**

  a) Polythene = 9715.83 Kg
  b) SUP = 1293.89 Kg
  Total = 11009.72 Kg

- Treatment/Measures adopted for reduction or management of plastic waste:
  a) Regular seizure of illegal polythene and banned SUP by Anti-Polythene Squad.
  b) Using seized polythene in overlaying of roads.
  c) Using seized polythene in cement kilns along with conventional fuels.

ULB/Municipal Corporation – Updated status awaited from H&UDD.

IX. Details of Alternate Treatment Technology being adopted by the State/UT : Septage Treatment Plants commissioned as Alternate Treatment Technology:

a) Bhagwati Nagar Jammu **=164** KLD
b) Anantnag **= 62**KLD
c) Alluchi Bagh **=164** KLD
d) Achan **=130** KLD

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment:- Updated status awaited from H&UDD.

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT: -

XII. Details of meetings carried under the Chairmanship of Chief Secretary in the State/UT: -

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground waterquality in the catchment of polluted river; -

No. of Polluted River Stretches in Jammu and Kashmir =09

a) No. of Polluted River Stretches in Jammu =05

b) No. of Polluted River Stretches in Srinagar =04

Water Quality Status of Polluted Rivers during the month of January-2024

<table>
<tr><th>S.No</th><th>Polluted River Stretch</th><th>Water Quality Analysis January, 2024</th><th>Ground Water Quality in catchment area</th></tr>
<tr><td>1.</td><td>River Devak Udhampur</td><td>
<table>
<tr><td>NWMP Monitoring Sites with Sanctioned Station Code</td><td>BOD (mg//l) <2.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliformcount after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Near Shiv Mandir, Udhampur (Stncode 2754)</td><td>4.7</td><td>25.3</td><td>8.62</td><td>2.5</td><td>1500</td></tr>
<tr><td>b) About 2 Km (D/S) Shiv Mandir (Stn. Code 4062)</td><td>2.1</td><td>16.0</td><td>8.50</td><td>7.5</td><td>1000</td></tr>
<tr><td>c) About 10 Km (D/S Shiv Mandir (Stn. Code:4063)</td><td>1.5</td><td>7.5</td><td>8.40</td><td>7.9</td><td>1000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>2.</td><td>Banganga, Holy Stream, Katra</td><td>
<table>
<tr><td>NWMP Monitoring Sites</td><td>BOD <2.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Bathing Ghat Katra (Stn. Code 2755</td><td><1.0</td><td>2.2</td><td>8.45</td><td>7.5</td><td>1200</td></tr>
<tr><td>b) In front of pony shed (Stn. Code 2756)</td><td>3.2</td><td>12.5</td><td>7.80</td><td>5.0</td><td>1000</td></tr>
</table>
</td><td></td></tr>
<tr><td>3.</td><td>River Tawi Jammu</td><td>
<table>
<tr><td>NWMP Monitoring Sites/ Station Code</td><td>BOD <2.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliforms count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>i. Below Tawi Bridge-2744</td><td>1.3</td><td>6.8</td><td>8.62</td><td>6.8</td><td>700</td></tr>
<tr><td>ii. Bhagwati Nagar-2745</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>iii. Beli Charana-2746</td><td><1.0</td><td>4.0</td><td>7.96</td><td>7.1</td><td>1000</td></tr>
<tr><td>iv. Surajpur-2747</td><td><1.0</td><td>4.2</td><td>7.86</td><td>7.1</td><td>1100</td></tr>
<tr><td>v. Bhagwatinagar, 1 Km, D/S below STP discharge point at Bhagwati Nagar-4055</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>4.</td><td>River Basanter, Samba</td><td>
<table>
<tr><td>NWMP Monitoring Site/ Sanctioned Station Code</td><td>BOD <2.0 (mg/l)</td><td>COD</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) Chak Manga Gujjar Samba (2753)</td><td>3.0</td><td>15.3</td><td>8.10</td><td>5.8</td><td>800</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>5.</td><td>River Chenab at Akhnoor</td><td>
<table>
<tr><td>NWMP Monitoring Site/ Sanctioned Station Code</td><td>BOD <2.0 (mg/l)</td><td>COD -</td><td>pH (6.5-8.5)</td><td>DO > 5.0 (mg/l)</td><td>Coliform count after 24 Hrs. (CFU/100 ml (500)</td></tr>
<tr><td>a) At Jio-Pota Mandir (2751)</td><td colspan="5">Monitoring on bimonthly basis</td></tr>
</table>
</td><td>NA</td></tr>
</table>

<table>
<tr><td>6.</td><td>River Jhelum at Srinagar (Anantnag to Chhatabal Weir)</td><td>
<table>
<tr><th>NWMP/PCB Monitoring Sites with Sanctioned Station Code</th><th>BOD <2.0 (mg/l)</th><th>COD</th><th>pH (6.5-8.5)</th><th>DO > 5.0 (mg/l)</th><th>Coliform count after 24 Hrs. (CFU/100 ml (500)</th></tr>
<tr><td>i. Anantnag (1304)</td><td>3.5</td><td>36.07</td><td>7.90</td><td>8.9</td><td>5500</td></tr>
<tr><td>ii. Batingoo, (PCB Site)</td><td>3.4</td><td>23.87</td><td>7.87</td><td>8.0</td><td>2666</td></tr>
<tr><td>iii. Bijbehara (4053)</td><td>2.3</td><td>27.87</td><td>7.84</td><td>9.0</td><td>2600</td></tr>
<tr><td>iv. Sangam U/S (PCB Site)</td><td>2.7</td><td>27.35</td><td>7.79</td><td>9.5</td><td>2100</td></tr>
<tr><td>v. Sangam D/S, (3273)</td><td>2.7</td><td>25.64</td><td>7.85</td><td>10.3</td><td>1900</td></tr>
<tr><td>vi. Awantipora (3274)</td><td>2.6</td><td>25.64</td><td>7.86</td><td>10.4</td><td>1100</td></tr>
<tr><td>vii. Pampore (3275)</td><td>3.4</td><td>29.00</td><td>7.87</td><td>10.6</td><td>1400</td></tr>
<tr><td>viii. Panthachowk (4054)</td><td>3.7</td><td>41.01</td><td>7.90</td><td>10.3</td><td>300</td></tr>
<tr><td>ix. Pandarathan (PCB Site)</td><td>3.0</td><td>29.6</td><td>7.81</td><td>10.4</td><td>333</td></tr>
<tr><td>x. Zero Bridge (1410)</td><td>6.3</td><td>56.0</td><td>8.06</td><td>6.3</td><td>2500</td></tr>
<tr><td>xi. Chattabal Weir (1411)</td><td>4.4</td><td>56.0</td><td>8.01</td><td>8.0</td><td>4000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>7.</td><td>River Gowkadal (A tributary of Jhelum)</td><td>
<table>
<tr><th>NWMP Sanctioned Site</th><th>BOD <2.0 (mg/l)</th><th>COD</th><th>pH (6.5-8.5)</th><th>DO > 5.0 (mg/l)</th><th>Coliform count after 24 Hrs. (CFU/100 ml)</th></tr>
<tr><td>Gowkadal, Station Code (1306)</td><td>4.3</td><td>56.0</td><td>8.09</td><td>8.3</td><td>2000</td></tr>
</table>
</td><td>NA</td></tr>
<tr><td>8&9.</td><td>River Sindh at Ganderbal, Srinagar</td><td>
<table>
<tr><th>NWMP monitoring sites</th><th>BOD <2.0 (mg/l)</th><th>COD</th><th>pH (6.5-8.5)</th><th>DO > 5.0 (mg/l)</th><th>Coliform count after 24 Hrs. (CFU/100 ml)</th></tr>
<tr><td>a) Dodherhama, Station Code (3286)</td><td>2.2</td><td>24.0</td><td>7.60</td><td>9.5</td><td></td></tr>
<tr><td>b) Chuntkol (Station Code (1307)</td><td>8.3</td><td>64.0</td><td>8.11</td><td>8.5</td><td>6020</td></tr>
</table>
</td><td>NA</td></tr>
</table>

XIV. Ground water regulation:

The regulation of ground water is mandate of the J&K Water Resources Regulatory Authority under the J&K Water Resource Regulation and Management Act, 2010. The Authority while approving new schemes or monitoring existing schemes can bar or cancel exploitation of ground water if it feels that exploitation of ground water is not in accordance with the provisions contained in JKWRRA Act 2010 & Rules – 2011.

The Ground water regulation is mandated only when the area to be exploited comes under grey zone or black zone. The macro management of Ground Water is prerogative of Water Resources Regulatory Authority which has power to put an embargo on exploitation of Ground Water Resources, should these border on grey or black zones. Besides, the guidelines for regulation and control of Ground Water Extraction in the UT of J&K in consonance with Central Ground Water Authority is under formulation.

XV. Good irrigation practices being adopted by the State:

For providing better irrigation facilities to the beneficiaries, various irrigation schemes are under execution with the objective of increasing the irrigation potential and its effective utilization. For this purpose the various schemes under Capex Budget, NABARD Loan Assistance and Centrally Sponsored Schemes are under execution.

The focus of these interventions is to prevent losses and provide stable irrigation conveyance system. Lift irrigation system where gravity water is not available or not feasible are also constructed for providing assured irrigation facilities. Further Community participation is also ensured for best / optimum utilization of available water to all beneficiaries. Besides, the State/UT Irrigation plan is also under process.

XVI. Rain Water Harvesting: Updated status awaited from H&UDD.

XVII. Demarcation of Floodplain and removal of illegal encroachments:

The Revenue details of four flood basins which include Hokersar, Nowgam, Hygam and Narkara Numbal have been forwarded to JK WRRA for notifying them as flood basins along with extents of flood inundation witnessed in 2014 historic flood through ground truthing and flood expanse boundaries mapped on Google earth. The same is being examined by the authority as per the Act. The details of rest three:

1. Left side flood plain from Sangam to Srinagar.
2. Anchar Lake.
3. Wullar Lake

are being sought from the concerned Revenue authorities through the office of the Divisional Commissioner Kashmir which too shall be made available to JKWRRA for necessary action at their end.

Moreover, Removal of encroachments is a concurrent process and on the directions of Hon'ble Court in the PIL 02/2014 titled Peer Noor-ul-Haq Vs State & others, Hydraulic study/Flood plain zoning for river Ujh and Sahar Khad in District Kathua has been completed by the Excel Geomatics PVT LTD. The delineation process is in progress.

Hydraulic study/Flood Plain regulation of River Tawi and Balole Nallah in Jammu District is being carried out by JTRFP. Draft report has been submitted for comments. After publishing of final report, remaining process shall be initiated.

In respect of Jammu Division, the hydraulic study/Flood plain zoning of remaining Rivers/Nallahs is in process and after completion of Flood Plain zoning, necessary process for delineation/notification of flood plan zone shall be initiated.

XVIII. Maintaining minimum e-flow of river:

There are no storage reservoirs on the River Jhelum and Chenab, so the minimum environmental flow is assured at all times. The department has a regulating structure at Srinagar known as Chattabal Weir, to ensure navigation during lean season in the upstream besides ensuring the eco-flow on upstream without affecting the conditions in the downstream. However, in perennial Rivers/Nallahs, the projects are being framed after ensuring the eco-flow.

XIX. Plantation activities along the rivers:- Updated status awaited from PCCF & HoFF, J&K.

S.No.	Polluted River Stretch
1)	River Devak, Udhampur
2)	Banganga, Holy Stream, Katra
3)	River Tawi, Jammu
4)	River Basanter, Samba
5)	River Chenab at Akhnoor
6)	River Chuntkol (A tributary of Jhelum)
7)	River Gawkadal (A tributary of Jhelum)
8)	River Jhelum at Srinagar (Anantnag to Chhatabal Weir)
9)	River Sindh at Ganderbal, Srinagar

XX. Development of Biodiversity Park: Jammu Development Authority has developed a park in 5.6 hectare at the bank of river Tawi area of polluted river stretch.

XXI. Reuse of treated water: Updated status awaited from H&UDD.

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards: Updated status awaited from H&UDD.

XXIII. Status of Preparation of Action Plan by the 13 Coastal States: Does not pertain to J&K.

XXIV. Regulation of Mining Activities in the State/UT:

The Geology & Mining Department, J&K is implementing the Enforcement and Monitoring Guidelines for regulating mining activities in J&K, UT consistently and the following steps have been/are being taken such as:

1. Feasible Geo-referenced Minor Mineral Blocks of all the River Beds/Nallahs were prepared/carved out and put to e-auction through District Level Auction Committee under Chairmanship of Deputy Commissioner. In total 384 minor minerals blocks have been e-auctioned in J&K UT. Out of 384, 376 have been issued in respect of minor mineral blocks to various Project Proponents. Out of 376 issued, 363 Mining Plans have been approved by the Competent Authority. 67 Mining Leases have been granted to various Project proponents in whose favour Environmental Clearance & Consent to Operate have been issued. Moreover, 56 Mining Leases in respect of e-auctioned minor mineral blocks have been operationalized to meet out the construction material requirement of the general public as well as government works such as National Highways, PMGSY Roads, AIIMS etc.
2. District Survey Reports in respect of all the Districts stands prepared in J&K UT.
3. A Replishment studies for updating of District Survey Report has been taken up in various rivers/nallahs of J&K, UT.
4. Minor mineral blocks in left out/uncovered areas in various rivers/nallahs in J&K UT are being carved out and shall be put to e-auction after seeking NOCs from all Stake Holder Departments as per the guidelines strictly.
5. At stationery clearances including Environmental Clearance and C.T.O. has been made pre-requisite for Grant of any mining Lease/quarry permit/ STP permission.
6. Environmental Audit condition as per the Hon'ble NGT directions has been incorporated in the Mining Lease Deed.
7. District Level Task Force Cell has been constituted vide Government order No.1569-GAD of 2018 dated 22.10.2018 to curb the illegal Mining issues in the district and the rates of Minor Minerals including Sand in all the districts of J&K UT have been fixed by the District Administration of concerned District for regulating the Sale Price of Minor Minerals.
8. For proper Transportation of Minor Minerals, transportation challans with following security feature have been introduced recently:-
    a) Unique Bar Code.
    b) Unique quick response code.
    c) Water Nark.
9. The Department has taken up the construction work of several check posts and in process to install Hi-Tech system with CCTVs to monitor the transportation of Minor Minerals including River Bed Material in J&K UT.
10. Wherever the guidelines are violated, the action under section 21(4) and (5) is taken against the violators.

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

In case of any defaulter/violator who encroaches, compromises the safety of any embankment or water body or any irrigation infrastructure or canal or carries out illegal river bed material extraction, the department under the Water Resources Regulation & Management Act, 2010 is mandated to take action as warranted under various sections like Section 66 (1,2), Section 67 (1,2), Section 72 (1,2,3,4), Section 73, Section 81, Section 83 (1,2,3,4), Section 84, Section 86 (a,b), Section 87 (1,2,3) etc.

There are also provisions under the Civil Services Conduct Rules, 1971 to take action against officers, if any found responsible for violation.

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