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61/35/2023(NGT)/DoE&CC

I/53236/2023

**GOVERNMENT OF MANIPUR
DIRECTORATE OF ENVIRONMENT & CLIMATE CHANGE
POROMPAT, IMPHAL-05**

No.61/35/2023 (NGT)/ DoE&CC

Imphal, the 28th November, 2023

To,

The Deputy Secretary
Forest, Environment & Climate Change
Government of Manipur

Subject: NOTICE of NGT's Order in Execution Application No.35/2023 in Original Application
No. 673/2018 (M. A. No. 92/2023)reg

Sir,

I have the honour to refer to Govt. letter No. 8/318/2023- For & Evt dated 27th November, 2023 on the above subject and to submit herewith the Compliance/ Status Report carried out by the State of Manipur in compliance of the direction of the Hon'ble Green Tribunal in O.A. No. 673 of 2018 pertaining to the implementation of remedial action plan with regard to the polluted river stretches for onward submission before the Hon'ble NGT.

With regards,

Encl: As above

Yours faithfully,
Signed by Dr. T.
Brajakumar Singh
Date: 28-11-2023 16:55:33

(Dr. T. Brajakumar Singh)
Director

Copy to:

The Addl. Chief Secretary (For, Evt. & CC), Government of Manipur.

Compliance/ Status Report carried out by the State of Manipur in compliance of the directions of the Hon'ble Green Tribunal in O.A. No. 673 of 2018

SN	Plans for restoration of identified polluted river stretches in States / UTs	Proposed Achievable Targets	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
1.	PERT Chart in respect of implementation of action plans for each polluted river stretch				RRC (River Rejuvenation Committee), Manipur enclosed at Annexure-1/A and 1/B
2.	Latest water quality- River, tributaries, drains and ground water characteristics in the catchment				Submitted by MPCB (Manipur Pollution Control Board) enclosed at Annexure -2
3.	Status on implementation of action plans				
A	Sewage Management				
a	Commissioning of STPs with State of Art technologies including flow measuring devices at all salient points	i. 16 MLD of MBBR at Mongsangei for outlets of Nambul River (Priority II)	31 st December, 2020	100% Completed	<ul style="list-style-type: none"> •Project has been implemented by Directorate of Environment and Climate Change, Govt. of Manipur •Trial run completed for 16MLD STP •Quarterly Progress Report for April to June 2023 enclosed as Annexure-3
ii. 1 MLD of MBBR at Samushang for outlets of Nambul River		31 st December, 2020	Completed 94% of execution		
iii. 27 MLD of ASP (Activated Sludge Process) under Imphal Sewerage Project Phase-I for 11 Imphal		31 st December, 2020	100% Completed	<ul style="list-style-type: none"> •Functioning and utilized 81% of the capacity •Project was implemented by PHED and also maintaining as well as operating by PHED. 	

SN	Plans for restoration of identified polluted river stretches in States / UTs	Proposed Achievable Targets	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
		Municipal Wards for outlets of Nambul River (Priority II) and Imphal River (Priority V)			
		iv. 41 MLD of ASP(3 units 5 MLD, 14 MLD and 22 MLD) under Imphal Sewerage Project Phase-II for remaining 16 Imphal Municipal Wards for outlets of Nambul River (Priority II) and Imphal River (Priority V)	31 st October, 2016	Loan negotiation in between NDB and PHED (on behalf of State) has been completed, signing for loan is expected in Nov. 2023	<ul style="list-style-type: none"> The Project has been initiated by PHED
b	Bio-remediation of Drains	Treatment option through phytoremediation technique for the polluted river stretches under Priority V in consultation with NEERI (National Environmental Engineering Research Institute), Nagpur	30 th June 2021	DPR with Feasibility report for rejuvenation and conservation of Imphal – Manipur River (priority-v) along with Kongba River has been submitted to the Ministry of Jal Shakti for financial	<ul style="list-style-type: none"> DPR is prepared and submitted by Directorate of Environment and Climate Change, Manipur Expert appraisal of the DPR have been completed and the DPR is on hold by the Ministry

SN	Plans for restoration of identified polluted river stretches in States / UTS	Proposed Achievable Targee	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
				Assistance under National River Conservation Plan	of Jal Shakti due to paucity of fund.
c	Laying of new sewerage pipelines & house connections	Pipe laying Interception and diversion of the outfalls to the Nambul River of 14,545 meters pipelines	31 st December, 2020	87% of the total work has been completed	<ul style="list-style-type: none"> Project have been implemented by Directorate of Environment and Climate Change under the National River Conservation Plan in the Ministry of Jal Shakti, Govt. of India
d	STP Sludge Management			Existing STP at Lamphel has its own sludge thickener as dry sludge cake	<ul style="list-style-type: none"> Continuing at 27 MLD STP, Lamphelpat by PHED
e	Septage Management				<ul style="list-style-type: none"> Caring by MAHUD in urban area and RD& PR at rural area
f	Restoration of natural storm water drains for ensuring natural flow				<ul style="list-style-type: none"> Taking care by WRD

SN	Plans for restoration of identified polluted river stretches in States / UTS	Proposed Achievable Target	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks	
	g	Utilization of treated sewage	Liquid treated sewage will be used in agriculture	31 st December 2020		<ul style="list-style-type: none"> • Under preparation of DPR
	h	Ensuring proper operation and maintenance of STPs	Contract work with responsibility of O & M	Post 2020	100% by PHED for existing 27 MLD STP	
	i	Maintenance of drains and sewage network including periodic cleaning	Contract work with responsibility of O & M	Post 2020	100% by PHED for existing 27 MLD STP	
	j	Awareness and training for the concerned authorities	Continuing	ongoing		<ul style="list-style-type: none"> • All concerned line departments
	B	Industrial Effluent Management				
	a	Identification of non-complying as well as illegal units				<ul style="list-style-type: none"> • 15 units of water polluting industries located at outside of the industrial estates have been deregistered their factory license until compliances of the Environment Protection Acts and Rules
	b	Closure Direction for non-complying and illegal units				

SN	Plans for restoration of identified polluted river stretches in States / UTS	Proposed Achievable Target	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
c	Upgradation of existing captive ETPs or construction of new ETPs by individual industries				<ul style="list-style-type: none"> Existing 400 KLD CETP have been functioning 3 (three) CETPs of 400 KLD each are under construction
d	Interception & diversion of industrial effluent from drains carrying industrial effluents			Interception and diverted 540 meter from industrial units to the CETP	
e	Adoption of Zero Liquid Discharge by the industries as per Directions of CPCB			On process	
f	Awareness and training for the concerned authorities of O&M of ETPs/ CETPS				<ul style="list-style-type: none"> Continuing
C	Municipal Solid waste Management				
a	Commissioning of Integrated Waste Management Facilities or Sanitary Land Fills or Bio manure or pellets making or waste to Energy Plants			Out of 27 ULBs, 20 ULBs have their own facilities	<ul style="list-style-type: none"> Taking care by MAHUD

SN	Plans for restoration of identified polluted river stretches in States / UTS	Proposed Achievable Target	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
b	Bio-mining and capping of existing dump site			60% completed at Lamdeng Solid Waste Management Site	• Taking care by MAHUD
c	Leachate management including Ground Water remediation in the vicinity of existing dumpsites				
D	Bio-Medical Waste Management				
a	Commissioning new Common Biomedical waste Treatment and Disposal Facilities (CBMWTDF)	Propose/allotted at Lamdeng	December,2020 for setting up	Upgraded at 100 TPD capacity	• Operating at M/S Shija Hospital under PPP Mode
b	Ensuring disposal of generated Biomedical waste through captive measures by the Healthcare Facilities where there is CBMWTDF		Functional at RIMS & JNIMS	Ongoing	•Taking care by Health Dept and M/S Shija Hospital
c	Implementation of Barcode system by healthcare facilities and CBMWTDF			Ongoing	•Taking care by Health Dept and M/S Shija Hospital
d	Upgradation of existing CBMWTDF		Going on	Already been upgraded at 100 TPD	•Health

SN	Plans for restoration of identified polluted river stretches in States / UTS	Proposed Achievable Target	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
E	Hazardous Waste Management				
a	Commissioning of Integrated Hazardous Waste Management Facility/Secured Land Fill facilities/ Incinerators			Not now but under DPR preparation	•Taking care by MAHUD, Industries, SPCB and Environment & Climate Change
F	E- Waste				
a	Development of E-waste management facilities or Dismantlers or recyclers			Inventory is going on	•Collected e-waste and sent back to Guwahati by a private agency
G	Plastic Waste Management				
a	Actions against unregistered manufacturing or recycling units			Manipur State Plastic Policy, 2022 has already been notified on 20 th June 2022	•Follow up action as per the Policy has been continuing
4	Adoption of Good Irrigation Practices			Continuing	
5	Flood Plain Zone protection and its management			100%	•Water Resources Department is taking care as per the Manipur Flood Plain Zoning Act, 1978

SN	Plans for restoration of identified polluted river stretches in States / UTs	Proposed Achievable Targets	Proposed Time Targets for compliance	Present status and / or pending in terms of %	Remarks
6.	Maintaining e-flows and watershed management			Ongoing	<ul style="list-style-type: none"> • Water Resources Dept.
7	Removal of encroachments to maintain natural flow in drains			100%	<ul style="list-style-type: none"> • Water Resources Dept.
8	Greenery or plantation on both sides of the river			Ongoing	<ul style="list-style-type: none"> • All line Departments

Time line Action for Rejuvenation of Polluted River Stretches Priority II : Nambul River

Action	Activities	Action by	2019-2020				2020-21				Remark	
			Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8		
Action 1	Solid Waste Management at the adjacent Wards of Nambul River											
1.1	Identification of garbage vulnerable point along the Nambul River Stretches from Iroisemba to Pishumthong	Envt & CC under NRCD										• Completed
1.2	Door to Door Collection, to identify & register any missed out household, punitive action against litterer along the River from Iroisemba to Pishumthong	Envt & CC MAHUD										• 100% completed door to door collection of solid wastes along the Nambul River from Iroisemba to Pishumthong
1.3	Formation of Tasks Force	MPCB										• Constituted
1.4	Providing of waste bins and door to door collection by using 124 Nos. of covered tricycles (8 bins capacity at a time) covering 19,863 bins	Envt & CC MAHUD										• 100% completed
1.5	High rise fencing of grilling and netting at both the banks to protect throwing of solid wastes into the river covering 5 km	Envt & CC under NRCD										• 100% completed
1.6	Renovation of existing 52 Nos. of crematoria along the river stretch	Envt & CC under NRCD										• 100% completed
1.7	Installation of 52 Nos. of secondary waste collection	Envt & CC under NRCD										• 100% completed

Action	Activities	Action by	2019-2020				2020-21				Remark
			Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	
	bins/community bins/dumper placer containers / transfer bins at suitable places at both sides of the river										
1.8	Construction of 15 Public toilets at vulnerable points within the IMC area	MAHUD									• 100% completed
	Construction of 20 Public toilets at Ward No. 6, 7, 8, 9, 11, 12, 13, 14,15, 16, 24 & 25	Envt & CC under NRCD									• 100% completed
1.9	IEC / Public Awareness Activities [14 Nos. of campaign / rallies – one each in every ward]	Envt & CC MAHUD MPCB									• 100% completed and continuing
Action 2	Channelization, treatment, utilization and disposal of treated domestic sewage										
2.1	Identification of location and estimation of liquid waste generation Imphal town (30 drains)	PHED Envt & CC									• Completed
2.2	Interception and diversion of the urban drains/outfalls to the Nambul River by laying pipes at both the banks of River at 14 Municipal Wards viz. 6, 7, 8, 9, 11, 12, 13, 14,15, 16, 24, 25, 26 and 27 by laying of 14,545 meters pipelines	Envt & CC under NRCD									• 85% of execution work completed • Intercepting and tapping 72 drains / outfalls to the River by laying pipes at both the banks at 14 Municipal Wards

Action	Activities	Action by	2019-2020				2020-21				Remark
			Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	
2.3	Treatment option and capacity : Installation of 2 (two) Sewage Treatment Plants (STPs) with Moving Bed Bio-Reactor having capacity of 16 MLD at Mongsangei, Imphal West and 1 MLD capacity at Samusang for treating the liquid waste water generated from both the sides starting from Iroisemba to Heirangoithong	Envt & CC under NRCD									<ul style="list-style-type: none"> • 95% of execution work completed
2.4	Commissioning of the Imphal Sewerage Project Phase-I : Installation one STP of ASP (Activated Sludge Process) technology covering 11 Imphal Municipal Corporation wards viz. No. 1, 2, 3, 4, 5, 6, 14, 15, 24, 25 and 26	PHED									<ul style="list-style-type: none"> • Commissioned on 15 June 2020 • Now under 80% operational by utilizing 22 MLD of the capacity
2.5	Commissioning of the Imphal Sewerage Project Phase-II : Installation of STPs of ASP (Activated Sludge Process) technology covering all the remaining wards of Imphal Municipal corporation	PHED									<ul style="list-style-type: none"> • Loan negotiation done, Loan signing expected in Nov. 2023 under NDB • Expected completion by October 2026
Action 3	Protection of catchment area of Nambul River										
3.1	In-situ augmentation of medicinal plants (mixed plantation at Lamdeng Block)	Forest									<ul style="list-style-type: none"> • Completed

ANNEXURE 1/B

**Time Targeted action plan for Rejuvenation 8 (eight) polluted stretches of Rivers
under Priority V in Manipur**

Action	Target Action	Action by	2019 - 2020				2020 - 21				2021	Remarks on progress
			Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	
Action 1	Solid Waste Management											
1.1	Identification of garbage vulnerable point along the 8 (eight) identified polluted river stretches at 59 Municipal Wards	MAHUD / ULBs										6 months (December 2019)
1.2	Door to Door Collection and transportation of Municipal solid wastes with source segregation through Cluster Approach at 59 Municipal Wards (33.45 MT)											1 year (June 2020)
1.3	Installation of littering bins at suitable places at 500 Nos. of Bins											1 year (June 2020)
1.4	Setting up of waste processing site at Cluster Approach at 5 (five) Cluster Units											2 Year (June 2021)
1.5	Construction of Public toilets at vulnerable points at 59 Nos. (one each for every ward for 59 wards)											2 Year (June 2021)
1.6	IEC / Public Awareness Activities of 177 Nos. (3 times for every 59 wards)											Ongoing
1.7	Encouraging of home composting covering at least 10% of total household											Ongoing
Action 2	Channelization, treatment, utilization and disposal of treated domestic sewage											

Action	Target Action	Action by	2019 - 2020	2020 - 21	2021	Remarks on
2.1	Identification of location and estimation of liquid waste generation	Environment, WRD, PHED, ULBs				Ongoing
2.2	Treatment option through phyto-remediation technique in consultation with NEERI (National Environmental Engineering Research Institute), Nagpur	Environment, PHED, MAHUD & IMC				2 Years (June 2021)
2.3	Commissioning of the Imphal Sewerage Project Phase-II of 49 MLD: Installation of STPs of 3 (three) units SBR (Sequencing Batch Reactors) technology covering all the remaining wards of Imphal Municipal corporation	PHED				Funding awaited
Action 3	Protection of catchment area 1539 sq. km.					
3.1	In-situ augmentation with economic plants at 1539 sq.km.	Forest Department,				2 years (June 2021)
3.2	Inventorization and mapping of springs for protection and rejuvenation at catchment of the 8 (eight) polluted rivers	Environment Dept., Water Resources Dept.				1 year (June 2020)
Action 4	Protection and prevention of Flood Plain Zone					
4.1	Protection and Improvement of River Bunds. i. 1500 m for Nambul River. ii. 16860 m in Imphal River and its tributaries. iii. 2670 m in Kongba River. iv. 2403 m in Thoubal	Water Resources Department				Completed

Action	Target Action	Action by	2019 - 2020				2020 - 21				2021	Remarks on
	River. v. 317 m in Wangjing River. vi. 11711 m in Manipur River.											
4.2	Re-Sectioning of Rivers and Streams. i. 82091 m in Imphal River. ii. 15480.00 m in Kongba River. iii. 89100 m in Nambul and its tributaries iv. 1900 m in Chakpi River	Water Resources Department										Completed
4.3	CC/RCC Retaining Walls with and without piles to be provided at the most eroded and vulnerable river banks viz. Nambul, Imphal, Thoubal, Kongba, Iril and other major rivers	Water Resources Department										60% completed



MANIPUR POLLUTION CONTROL BOARD
 Imphal West D.C. Office Complex
 Lamphelpat, Imphal- 795 004
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Water Quality of the Imphal, IriI, Manipur, Thoubal, Wangjing, Khuga, Khujairok, Lokchao, Nambul, Waisel Maril & Moirang Rivers and Effluent of Sewage Treatment Plant, Langol for the month of July 2023.

1. Imphal River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Koirengei	7.3	7.4	3.2	8.1	50
Minutrhong	7.2	7.3	3.3	10.6	85
Mahabali	7.3	7.3	3.3	9.3	75

2. IriI River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Kangla Siphai	7.3	7.4	3.2	13.2	55
Porompat	7.4	7.5	3.2	9.2	50
Lilong	7.2	7.3	3.3	12.0	65

3. Manipur River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Yairipok	7.4	7.3	3.3	12.6	50
Sekmaiing	7.4	7.5	3.4	11.8	70
Ithai	7.5	7.4	3.3	14.6	85

4. Thoubal River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Litan	N.A.	N.A.	N.A.	N.A.	N.A.

5. Wangjing River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Heiropk	7.4	7.4	3.4	12.2	55
Wangjing	7.3	7.3	3.3	10.3	60

6. Khuga River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Churachandpur Bazar	N.A.	N.A.	N.A.	N.A.	N.A.
Khuga Dam	N.A.	N.A.	N.A.	N.A.	N.A.

7. Khujairok River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Khujairok	N.A.	N.A.	N.A.	N.A.	N.A.



MANIPUR POLLUTION CONTROL BOARD
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8. Lokchao River, Bishnupur

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Lokchao Bridge near Bishnupur Bazar	7.5	7.3	3.5	10.2	45

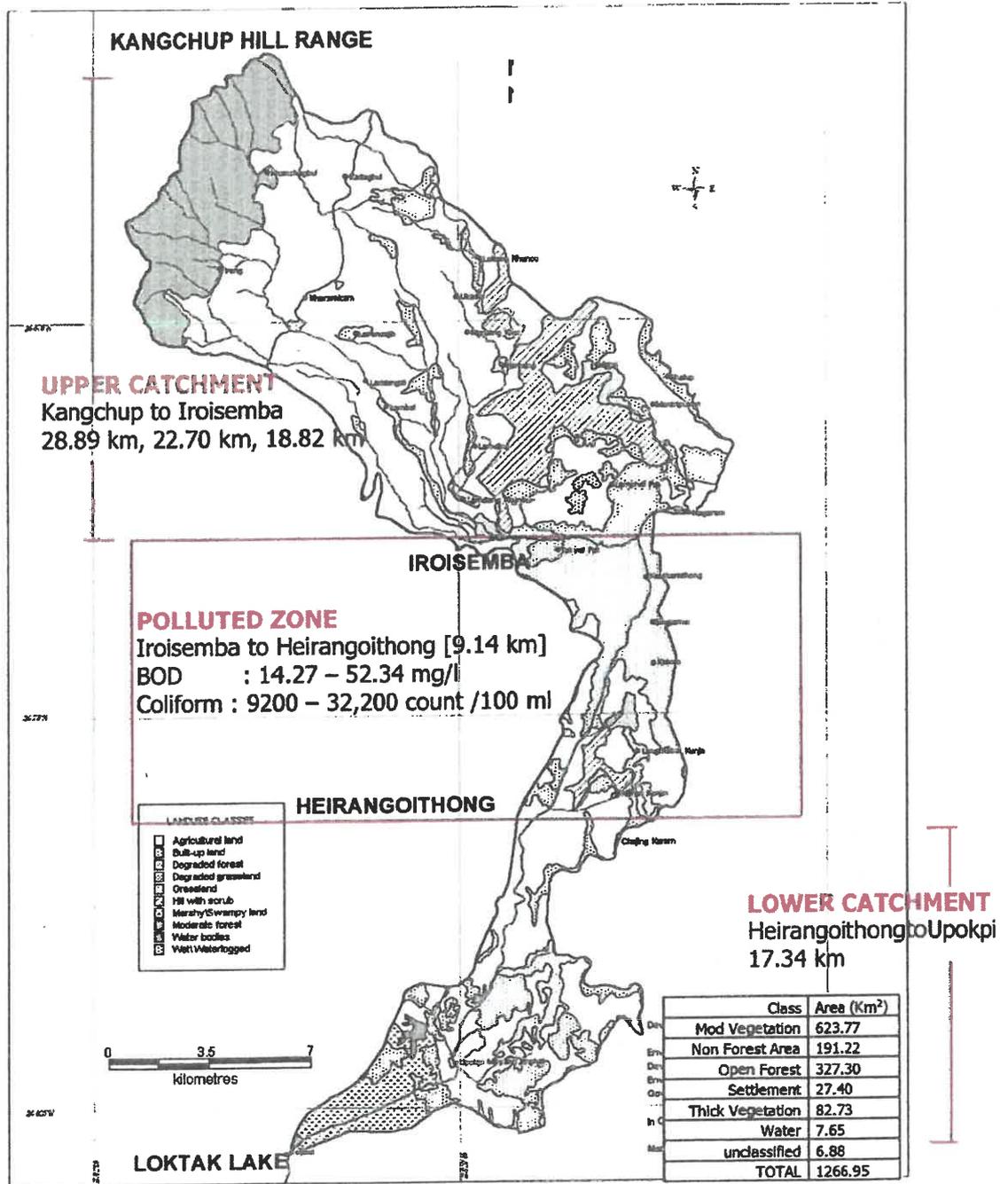
9. Nambul River

Location	DO	pH	BOD mg/L	COD mg/L	Fecal Coliform (MPN/100ml)
Samushang	7.3	7.3	4.0	15.6	100
Naoremthong	7.0	7.2	4.1	15.7	90
Hump Bridge	6.9	7.1	4.4	16.8	180
Heirangoithong	7.0	7.1	4.5	16.2	190
Singda Dam	7.7	7.5	3.3	9.2	30

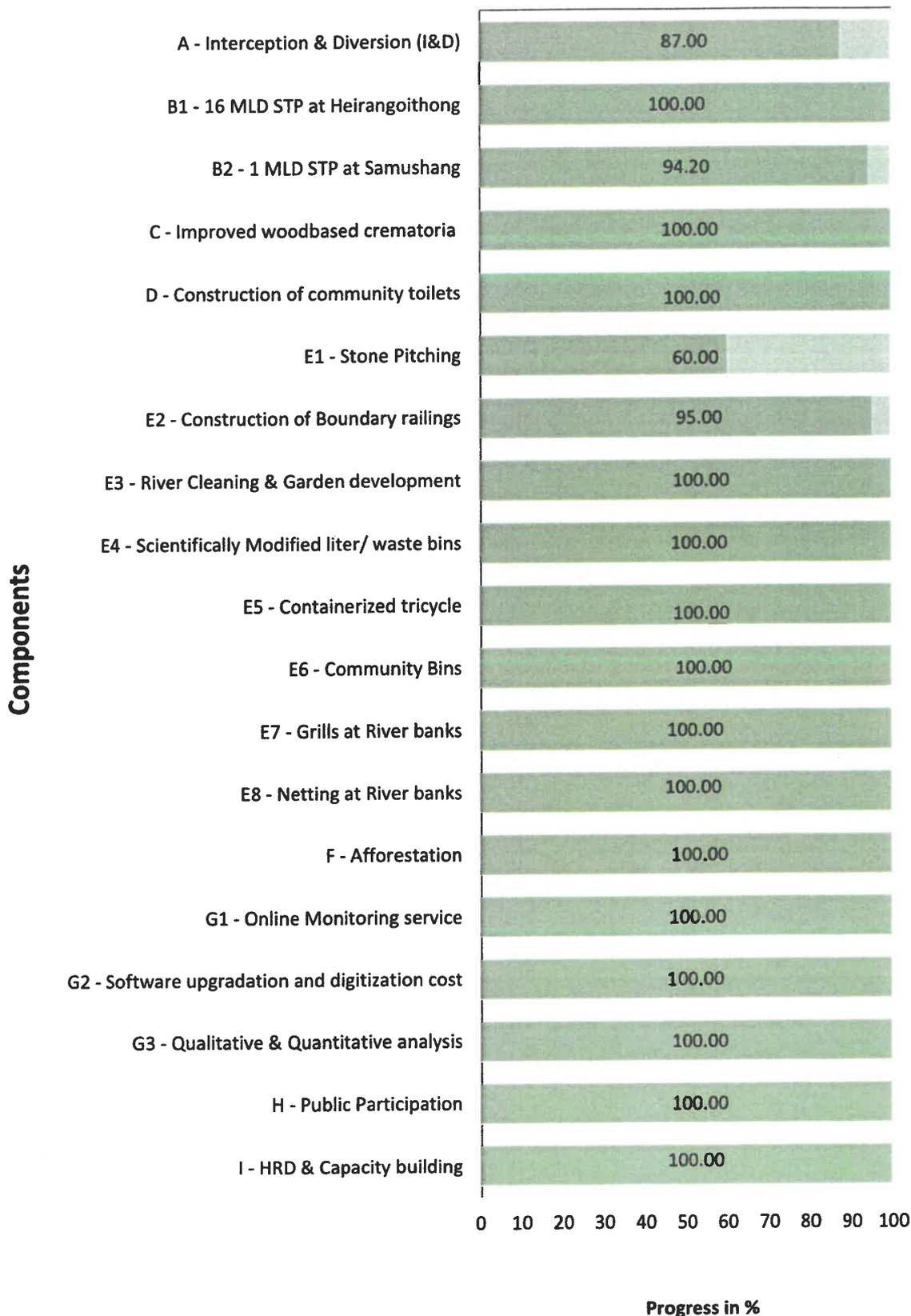
17TH QUARTERLY PROGRESS REPORT FOR THE PROJECT "REJUVENATION AND CONSERVATION OF NAMBUL RIVER IN MANIPUR" UNDER NATIONAL RIVER CONSERVATION PLAN FOR THE PERIOD OF 1ST APRIL 2023 TO 30TH JUNE 2023

Title of the Project	: Rejuvenation and Conservation of Nambul River at Imphal in Manipur
Name of the Implementing Agency	: Directorate of Environment and Climate Change, Department of Forest and Environment as Nodal Agency Line Department : PHED, Water Resources Dept. (WRD), MAHUD (Urban Development), LDA (Loktak Development Authority), MPCB (Manipur Pollution Control Board)
Location of the Project	: Imphal Municipal Area 9.14 km stretches out of Iroisemba (24°48'26.11"N, 93°53'19.85"E) to Heirangoithong (24°46'27.63"N, 93°55'45.96"E)
Total sanctioned Amount and Ref. No with Date	: Rs. 9772.21 Lakhs (Rs. 8794.98 Lakhs as Central Share @90% Rs. 977.21 Lakhs as State Share @10%) Ref. F. No. J-27030/1/2013-NRCD-II, dtd. 18 th January 2019
Amount Released (Central Share)	: 1 st Installment :Rs. 300 Lakhs, dtd. 18 th January, 2019 2 nd Installment :Rs. 1500 Lakhs, dtd. 13 th September, 2019 3 rd Installment :Rs. 2000 Lakhs, dtd. 27 th October, 2020 4 rd Installment :Rs 2000 Lakhs, dtd. 24 th February, 2022 5 th Installment :Rs 1000 Lakhs, dtd. 26 th August, 2022 6 th Installment :Rs 500 Lakhs, dtd. 14 th March,2023 Total :Rs. 7300 Lakhs as on 30th June 2023
Amount Released (State Share)	: 1 st Installment : Rs. 30 Lakhs, dtd. 18. 07. 2019 2 nd Installment : Rs. 170 Lakhs, dtd. 15. 07. 2020 3 rd Installment : Rs. 222 Lakhs, dtd. 18.03.2021 4 rd Installment :Rs 392 Lakhs, dtd. 30.11.2021 5 th Installment :Rs 111.11 Lakhs, dtd. 31.10.2022 Total : Rs. 925.11 Lakhs as on 30th June 2023
Total Released (Central Share & State Share)	: Rs. 8225.11 Lakhs as on 30 th June, 2023
Total Expenditure	: Rs. 8225.11 Lakhs as on 30th June, 2023 i.e. 100 % of total released amount (Central Share and State Share)
Physical Progress	: 92 % of Overall Progress
Project Duration	: 3 (three) years
Launching Date	: 9 th March 2019
Completion Date	: 31 st July 2023
Physical Progress	: Enclosed at Annexure - 1

Note : A/A (Administrative Approval) & E/S (Expenditure Sanction)



Land used of Nambul River Catchment



NRCDD Project "Rejuvenation and Conservation of Nambuli River in Manipur" - Annual physical progress report as of 30th June 2023

1	2	3			4			5	6	7	8	
		SANCTIONED		UNIT	WORK ITEM		PHYSICAL PROGRESS ON GROUND IN % (I)					Wtd Factor (II)
SL No.	DESCRIPTION OF THE PROJECT	AMOUNT (Rs. In Lakhs)	SCOPE		EXECUTED (Cumulative 1st April 2019 - 31st March 2023)	EXECUTED (1st April 2023 - 30th June 2023)	EXECUTED (Cumulative 1st April 2019 - 30th June 2023)					
A	Core Scheme											
	Interception & Diversion (IRD) :- Tapping / collection of outfalls from open drains at either side of the river bank, 14545 mls pipelines											
	A1	Construction of U/R Stations			3.680	0.000	3.680	87.00%	0.51882	45.14%	<ul style="list-style-type: none"> • 1435 Nos of Piles casted • Wiesinking completed for SPS at Naga-Nala, burfile wall work completed, Pipe installation in completed and testing completed for pumps • Pipe and Pump installation completed for SPS at 16 MLD STP site, testing of pump completed • Piling work for SPS Naga Nala tapping completed, pile cap work completed, Inlet channel completed and tapping started • Pipe laying completed from Naga Nala to Heirangothong 16 MLD STP Site • Electric pump installation for SPS completed • Transformer installation completed for both the STP site and SPS • First phase testing from Naga Nallah to 16 MLD STP Site completed successfully • First phase testing for 16 MLD STP completed successfully 	
	A2	Construction of Ghd Chamber	4	Nos	3.680	0.000	3.680	92.00%				
	A3	Construction of Screening chamber	4	Nos	3.840	0.000	3.840	96.00%				
	A4	Construction of Manholes	485	Nos	194.000	0.000	194.000	40.00%				
	A5	Laying & Fixing of DI Pipe	14545	mtr	8727.000	0.000	8727.000	60.00%				
	A6	Construction of Pipe Support	14545	mtr	10181.500	0.000	10181.500	70.00%				
	A7	Supply of Pipes	14545	mtr	14545.000	0.000	14545.000	100.00%				
A8	Installation of Transformers	4	Nos	4.000	0.000	4.000	100.00%					
A9	Supply of Electric Motor Pumps	20	Nos	9.000	0.000	9.000	45.00%					
B	Sewage treatment plant (STP) :- 2 Nos having 16 MLD and 1 MLD capacity each											
	B1	16 MLD STP at Heirangothong	1	Nos	1.000	0.000	1.000	100.00%	0.28626	27.80%	<ul style="list-style-type: none"> • 16 MLD STP at Heirangothong = 100% completed. • 1 MLD STP at Samushang = 94.19% completed. 	
	B2	1 MLD STP at Samushang	1	Nos	0.902	0.040	0.942	94.19%				
Non - Core Scheme												
C	Improved woodbased crematoria	104.71	56	Nos	56.000	0.000	56.000	100.00%	0.01072	1.07%	Completed 56 No. of crematoria renovation	
D	Construction of community toilets	167.82	20	Nos	20.000	0.000	20.000	100.00%	0.01717	1.72%	Completed 20 toilets	
E	River front Development (RFD) & beautification											
	E1	Stone pitching at vulnerable area	175.80	4360	Sqm	2616.000	0.000	2616.000	60.00%	0.01799	1.08%	Completed 2616.00 Sqm
	E2	Construction of Boundary Railings	369.60	1500	Rm	1425.000	0.000	1425.000	95.00%	0.03782	3.59%	Completed 1425 Rm
	E3	River cleaning and development of Garden	30.43	5434	Sqm	5434.000	0.000	5434.000	100.00%	0.00311	0.31%	Completed 2 (two) times cleaning of 9.14 Km stretches

NRCD Project "Rejuvenation and Conservation of Nambul River in Manipur" - Annual physical progress report as of 30th June 2023

1	2	3		4			5	6	7	8	
		SANCTIONED		WORK ITEM							
SL No.	DESCRIPTION OF THE PROJECT	AMOUNT (Rs. in Lakhs)	SCOPE	UNIT	EXECUTED (Cumulative 1st April 2019 - 31st March 2023)	EXECUTED (1st April 2023 - 30th June 2023)	EXECUTED (Cumulative 1st April 2019 - 30th June 2023)	PHYSICAL PROGRESS ON GROUND IN % (I)	Wtd Factor (II)	Wtd PHYSICAL PROGRESS % (I x II)	Remarks
E4	Scientifically modified liter / waste bins of 30-40 liters for distribution	88.99	19663	Nos	19663.000	0.000	19663.000	100.00%	0.00911	0.91%	<ul style="list-style-type: none"> Supplied 19,863 Bins Installed 124 Nos. of tricycles 37 Nos. of community bins
E5	Containerized tricycle for collecting segregated domestic waste from doorstep to community bins	8.33	124	Nos	124.000	0.000	124.000	100.00%	0.00085	0.09%	
E6	Community bins / transferring bins of 4.5 cum capacity	14.50	37	Nos	37.000	0.000	37.000	100.00%	0.00148	0.15%	
E7	Grills at River bank to prevent throwing of waste	14.63			8711.000	0.000	8711.000	100.00%	0.00150	0.15%	<ul style="list-style-type: none"> Completed about 87111 sqft of grills Netting completed
E8	Netting at River bank to prevent throwing of waste	2.16	8711.00	Sqft	8711.000	0.000	8711.000	100.00%	0.00079	0.08%	
E9	Others / Misc	5.60									
F	Afforestation - Tree plantation at STP site and River bank	117.57	3181	Plants	3181.000	0.000	3181.000	100.00%	0.01203	1.20%	
G	Monitoring and Evaluation							100.00%			
G1	Manmonth require for online monitoring services	42.48	36	month	36.000	0.000	36.000	100.00%	0.00435	0.43%	
G2	Software upgradation and digitization cost	2.36	1	unit	1.000	0.000	1.000	100.00%	0.00024	0.02%	
G3	Qualitative and quantitative analysis	2.36	36	month	36.000	0.000	36.000	100.00%	0.00024	0.02%	<ul style="list-style-type: none"> Monthly water quality testing conducted by Manipur Pollution Control Board
H	Public Participation	11.20	36	month	36.000	0.000	36.000	100.00%	0.00115	0.11%	<ul style="list-style-type: none"> Conducted 36 public awareness campaign on river conservation
I	HRD & Capacity building	22.40	1	unit	1.000	0.000	1.000	100.00%	0.00229	0.23%	
J	Contingency like Project preparation, Contingency, Work charge Establishment, Netting, etc.	723.86						100.00%	0.07407	7.41%	<ul style="list-style-type: none"> Payment of Rs. 377 Lakhs (i.e. 4% of project cost with GST) for consultancy charge for preparation of project. Expenditure for NIT & e-tender, Taxes, Netting of 23,737.68 sqft. etc

NRCD Project "Rejuvenation and Conservation of Nambul River in Manipur" - Annual physical progress report as of 30th June 2023

1	2	3			4			5	6	7	8
Sl. No.	DESCRIPTION OF THE PROJECT	SANCTIONED		WORK ITEM			PHYSICAL PROGRESS ON GROUND IN % (I)	Wtd Factor (II)	Wtd PHYSICAL PROGRESS % (I x II)	Remarks	
		AMOUNT (Rs. in Lakhs)	SCOPE	EXECUTED (Cumulative 1st April 2019 - 31st March 2023)	EXECUTED (1st April 2023 - 30th June 2023)	EXECUTED (Cumulative 1st April 2019 - 30th June 2023)					
	Grand Total	9772.20						1.00	91.52%	Overall Progress of the Project = 91.52 %	

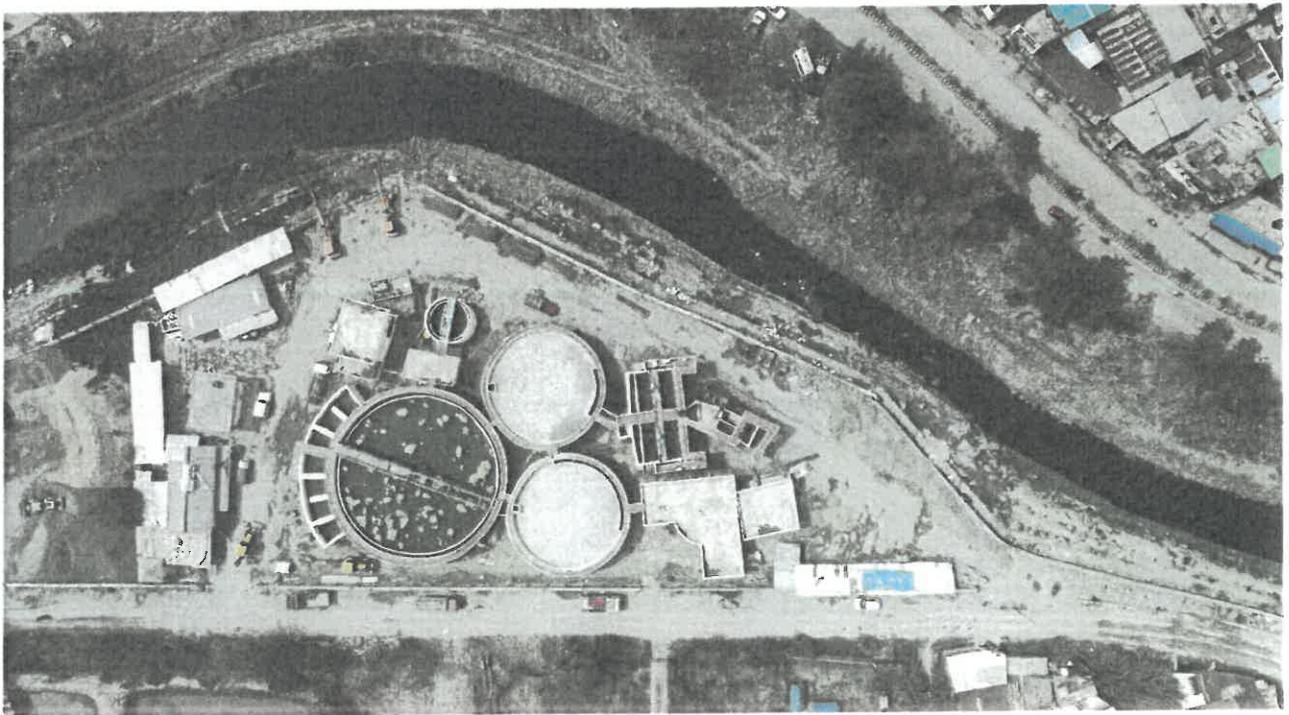
**NRCD Project "Rejuvenation and Conservation of Nambul River in Manipur"
– Annual Progress Report as of 30th June 2023.**

Core Component:

Sl. No.	Structure	Qty	Physical Progress as on 30.06.2023
A	Interception & Diversion of 72 outfalls / Drains	JOB	OVERALL PROGRESS 87%
1	Construction of Lift Stations	4 Nos.	92% Completed
2	Construction of Grit Chamber	4 Nos.	96% Completed
3	Construction of Screening Chamber	4 Nos.	96% Completed
4	Construction of Manholes	485 Nos	40% Completed
5	Laying & Fixing of DI Pipe	14.54 Km	60% Completed
6	Construction of Pipe Support	LOT	70% Completed
7	Pipe supply	14.65 Km	100% completed
8	Supply of Transformers	4 Nos.	100% completed
9	Supply of Electric Motor Pumps	20 Nos.	45% (Remaining Under Manufacturing)
B1	16 MLD STP	JOB	OVERALL PROGRESS 100%
1	Inlet Unit	1 Nos	100%
2	Reactor (MBBR I & II)	2 Nos	100%
3	Clarifier	1 Nos	100%
4	CCT & Effluent pipe	1 Nos	100%
5	Sludge Holding Tank	1 Nos	100%
6	Centrifuge Bldg.	1 Nos	100%
7	Blower/ Tonner Bldg.	1 Nos	100%
8	Admin/MCC/Lab Bldg	1 Nos	100%
9	Plant Commissioning	-	-
B2	1 MLD STP	JOB	OVERALL PROGRESS 94.20%
1	Inlet Unit	1 Nos	85%
2	Reactor (MBBR I & II)	2 Nos	97%
3	Clarifier	1 Nos	92%
4	CCT & Effluent pipe	1 Nos	96%
5	Sludge Holding Tank	1 Nos	91%
6	Centrifuge Bldg.	1 Nos	92%
7	Blower/ Tonner Bldg.	1 Nos	92%
8	Admin/MCC/Lab Bldg	1 Nos	91%
9	Plant Commissioning	-	-



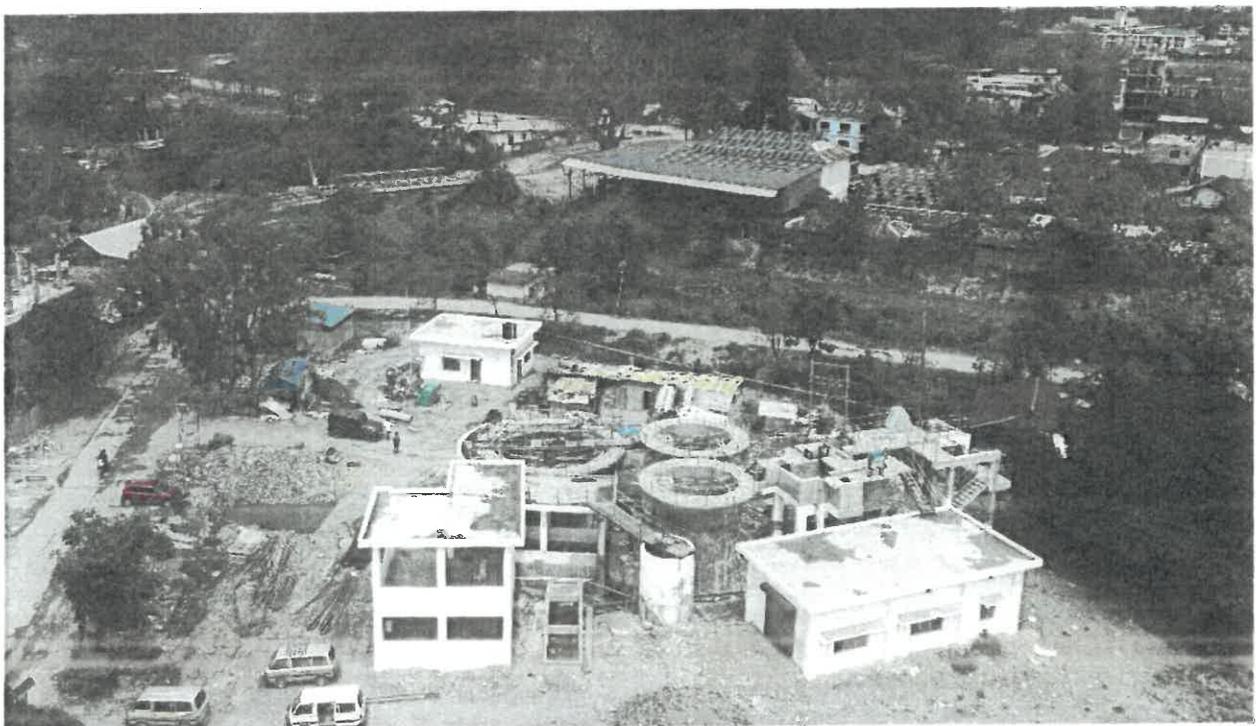
16 MLD STP at Heirangoithong



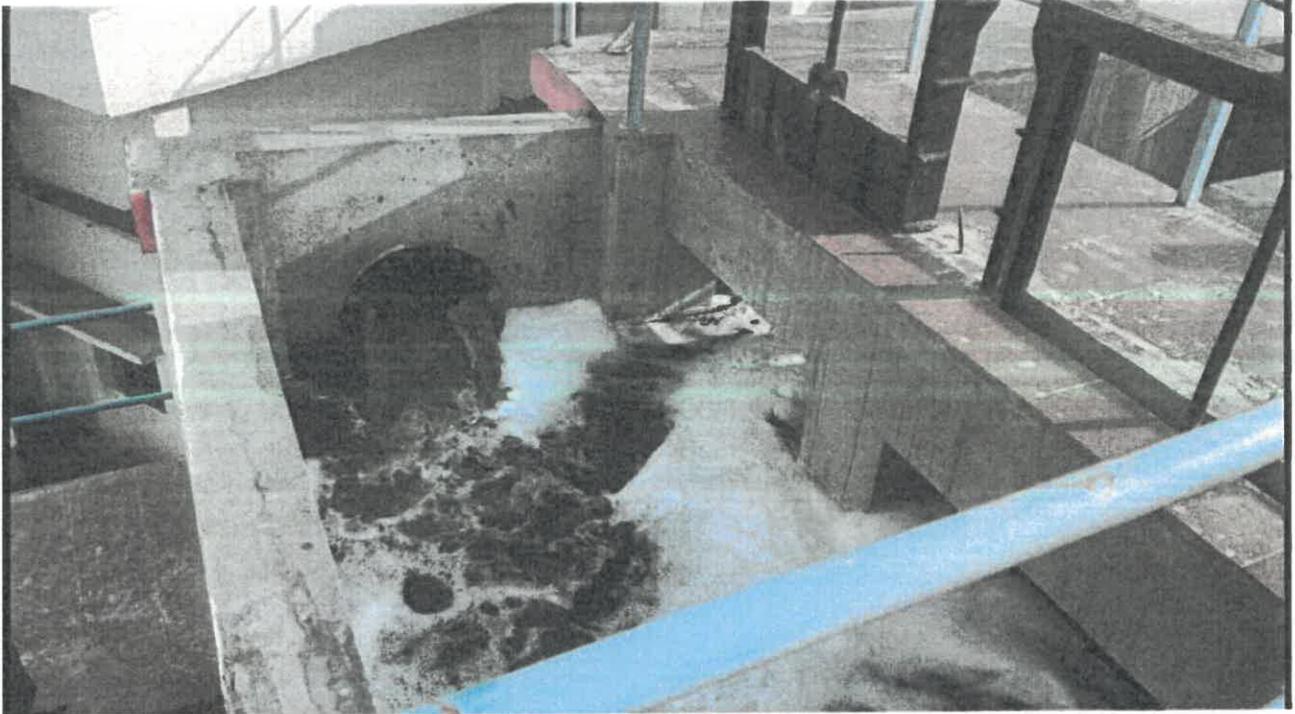
16 MLD STP at Heirangoithong



1 MLD STP at Iroishemba



1 MLD STP at Iroishemba



16 MLD STP Inlet unit testing & trial



16 MLD STP Grit chamber testing & trial

⊙ 339°N (T) ⊙ 24°46'18"N, 93°55'37"E ±8m ▲ 777m



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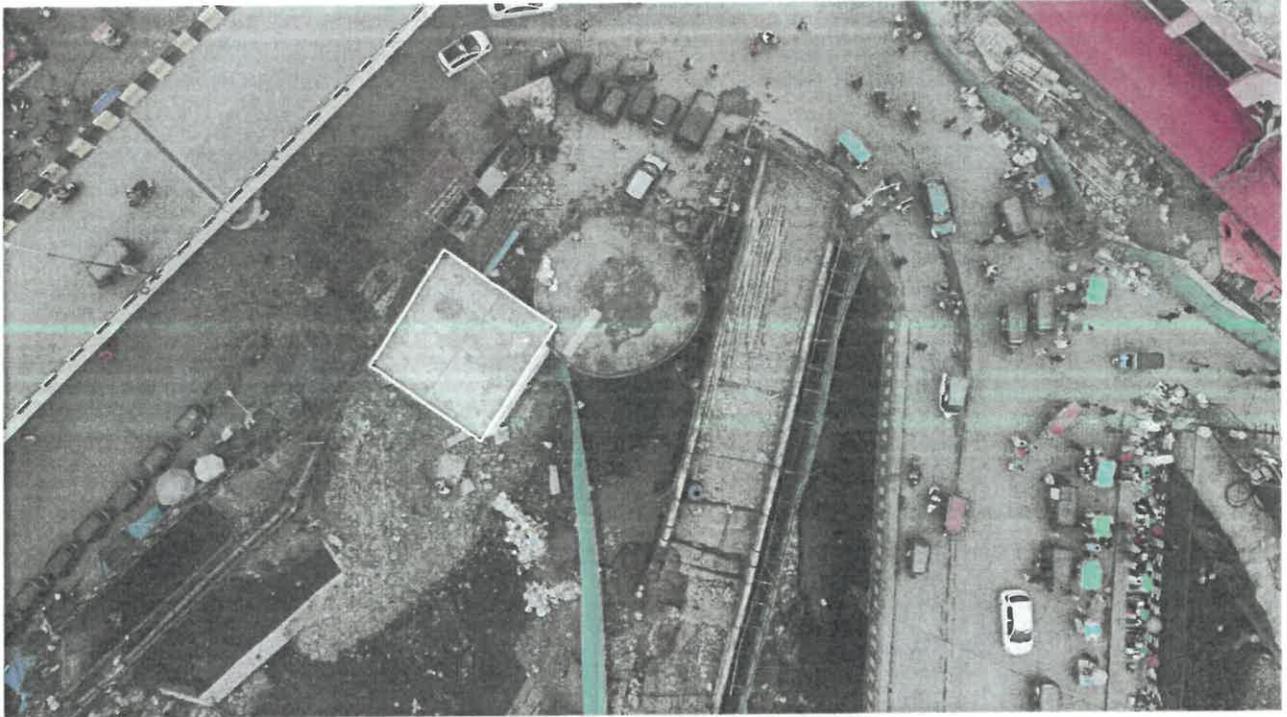
16 MLD STP MBBR-1 testing & trial

⊙ 19°N (T) ⊙ 24°46'18"N, 93°55'37"E ±10m ▲ 777m

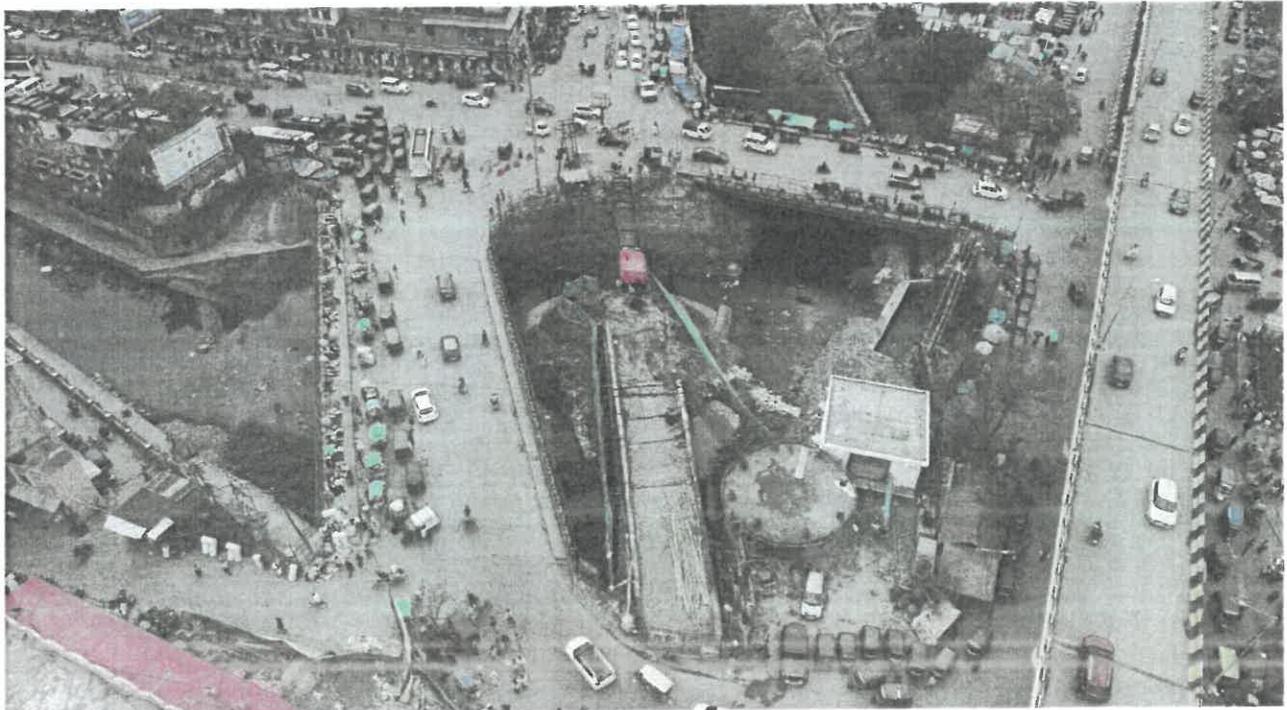


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16 MLD STP MBBR-2 testing & trial



SPS and Naga Nallah tapping



SPS and Naga Nallah tapping



SPS and Samushang Nallah tapping



1 MLD STP and Pipe laying at Iroishemba



Pipe laying at WahengLeikai



Pipe laying at Heirangoithong