REGIONAL OFFICE
RAJA/STHAN STATE POLLUTION CONTROL BOARD

F-470, Mewar Industrial Area, Near UCCI Building, Udaipur

RPCB/RO/Udaipur/Legal -81/58 Date: 17.04.23

Through:- Email

The Registrar
Hon'ble National Green Tribunal
Central Zonal Bench,
Bhopal

Sub:- Compliance report of order of Hon'ble NGT Central Zone Bench, Bhopal, order dated 16/02/2023 in case of OA No. 14/2023(CZ) Jheel Sanrakhan Samiti V/s State of Rajasthan & Ors.

Ref:- Hon'ble NGT Central Zone Bench, Bhopal order dated 16/02/2023.

Sir,

With reference to above subject, kindly find enclosed compliance report of order of Hon'ble NGT Central Zone Bench, Bhopal, order dated 16/02/2023 in case of OA No. 14/2023(CZ) Jheel Sanrakhan Samiti V/s State of Rajasthan & Ors. for necessary action please.

Regards,

Yours Sincerely

Encl: As above

Regional Officer
RSPCB, Udaipur

Report As per

Hon'ble National Green Tribunal

(Order dated 16February 2023)

IN THE MATTER OF

JheelSanrakhan Samiti V/s State of Rajasthan &Ors.

In Original Application

No. 14/2023

Date of Visit- 01April 2023

Location- Udaipur (Rajasthan)

➢ Background:-

An application was filed by JheelSanrakshan Samiti in Central Zone Bench, Bhopal and same was accepted By NGT O.A. No. 14/2023.

Hon'ble NGT passed an order on 16.02.2023 and constituted as Joint Committee consisting of:-

1. District Collector, Udaipur
2. One representative from Water Resource Department, Government of Rajasthan.
3. One representative from Rajasthan State Pollution Control Board

The Committee was directed to visit the place and submit the factual and action taken report within six weeks.

In compliance of the same committee comprising of undersigned officials visited the area on 01.04.2023.

The team of District Collector, officials of Water Resources Department, Pollution Control Board, Smart City Officials, Municipal council Officials was conducting the survey of Ayad River.

Background of the Project:- Brief details of work"Rehabilitation of Ayad River in Udaipur"

1. The River Ayad has a total length of about 26 Kms. From Thur Dam to Udaisagar, The river each from Chainage 9.5 Kms. To 20.5 Kms. (11 Kms.) is located within the city area. In this 11 Kms. Length, the present works undertaken for a length of 5 Kms. (11.20- 16.20 Kms.) in the city area. The start point of the work is from Pula Anicut to Thokar Bridge Anicut.

   To make the river flow continuously, water may not stagnate and the ground water table recharges in a better way, a project of Rehabilitation of the Ayad has been prepared. The salient features are as under-

- The project was conceived as per the Hon'ble CM's announcement in Budget for the FY 20-21. The total budget allocation is Rs. 75 Crores. It is funded by UIT, Smart City and Udaipur Nagar Nigam in the ratio of 35 Crores: 35 Crores: 5 Crores respectively.

A technical committee of 10 experts was formed by the District Collector/Vice Chairperson Board of Management, USCL to give suggestions/ recommendations for the design/items/provisions comprising of following technical officials form UMC/USCL/UIT/Irrigation, 3 retired Chief Engineers from CPWD & Irrigation as member, public representatives and 3 Professors from a Govt. Engineering College (CTE, Udaipur) as experts.vide office order no. 579 Dated 10.07.19 (Copy annexed as Annexure - I)-

Status work:-

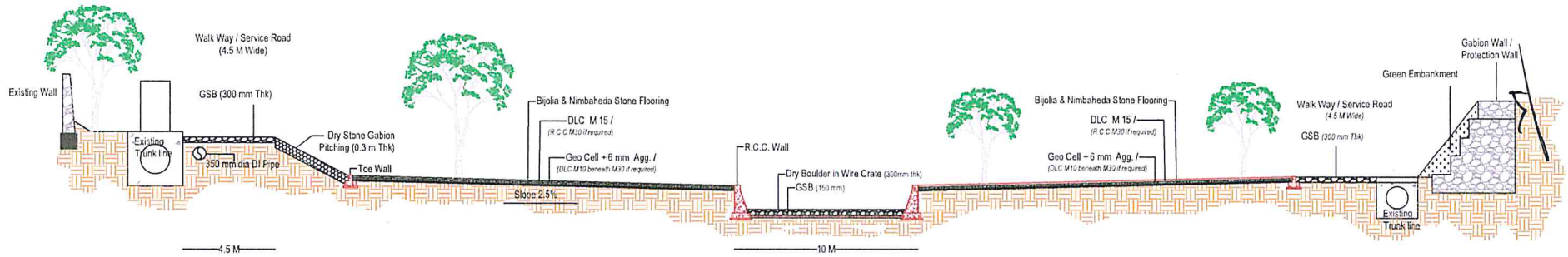
- The work was divided into 10 parts (8 nos. civil, 1 no electrical & 1 no. Pipeline & pumping) and all the 10 works were tendered, work orders issued and works have been started.
- The details of the works are as under-

1.	Pula Anicut to 5 MLD STP (Kazrali house) Start Point	800 mtr	Rs.10.05 Crore
2.	5 MLD STP (Kazrali house) to Krishnapura Causeway	660 mtr	Rs.7.014 Crore
3.	Krishnapura Causeway to Bhopalpura Bridge	600 mtr	Rs.8.006 Crore
4.	Bhopalpura Bridge to Ashoknagar Anicut	740r	Rs.8.301 Crore
5.	Ashoknagar Anicut to Lakecity mall Bridge	510 mtr	Rs.7.160 Crore
6.	Lakecity mall Bridge to Champabag Anicut	470 mtr	Rs.7.481 Crore
7.	Champabag Anicut to Subhashnagar Anicut	470 mtr	Rs.10.87 Crore
8.	Subhashnagar Causeway to Thokar Bridge (Total length- 4540 tr.)	290 mtr	Rs.5.548 Crore
9.	Pumping arrangements and rising main line work.	6300 mts	Rs.5.292 Crore
10.	Highmast Lights arrangements 24 Nos. at 200 Mt. c/c		Rs.1.439 Crore

Total cost of all the works Rs. 71.161 Crores

The 5 Kms part of the Aayad River starts from new Pula Anicut to Thokar bridge Anicut.

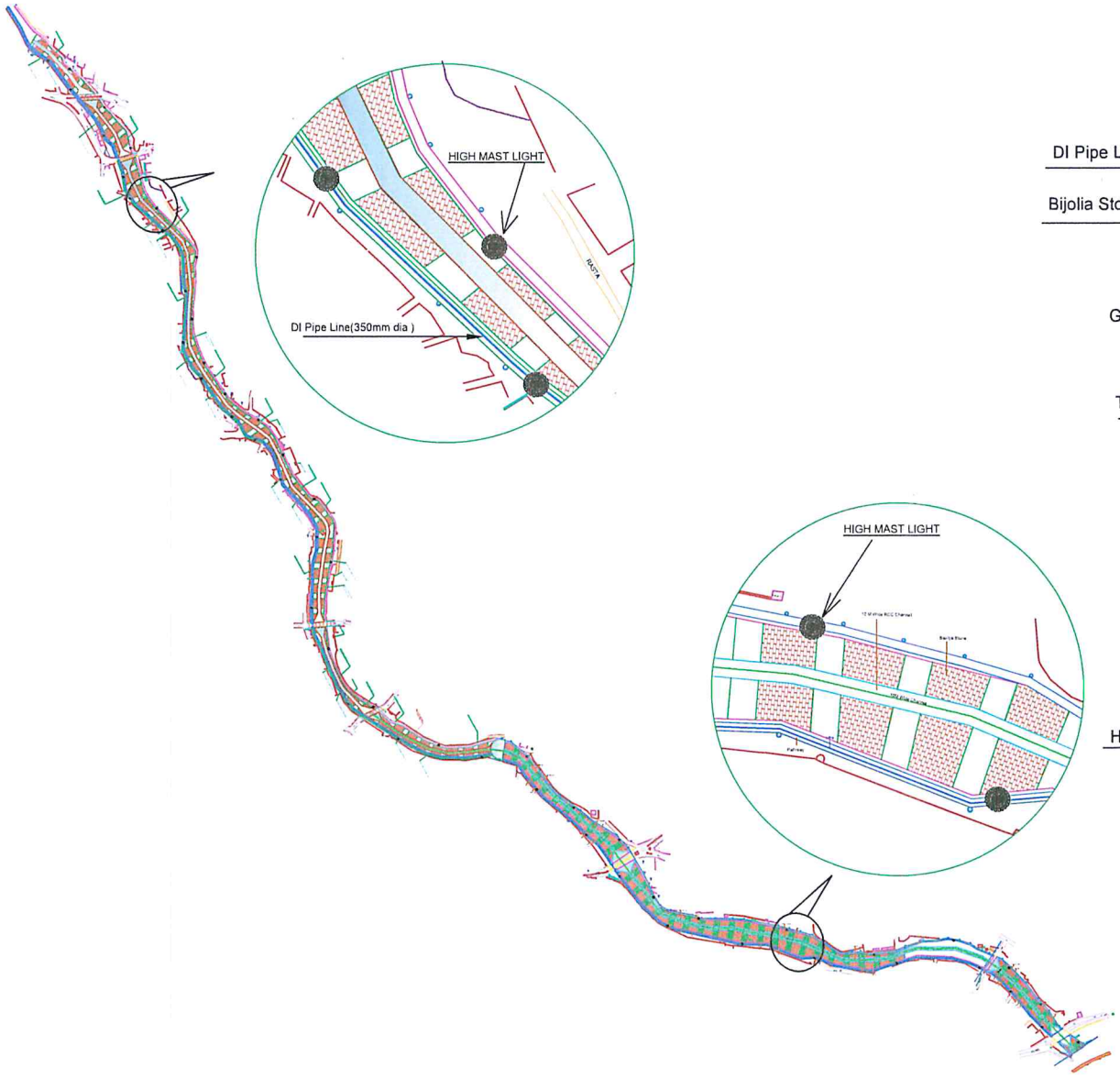
The typical cross section of the work to be conducted as under:-

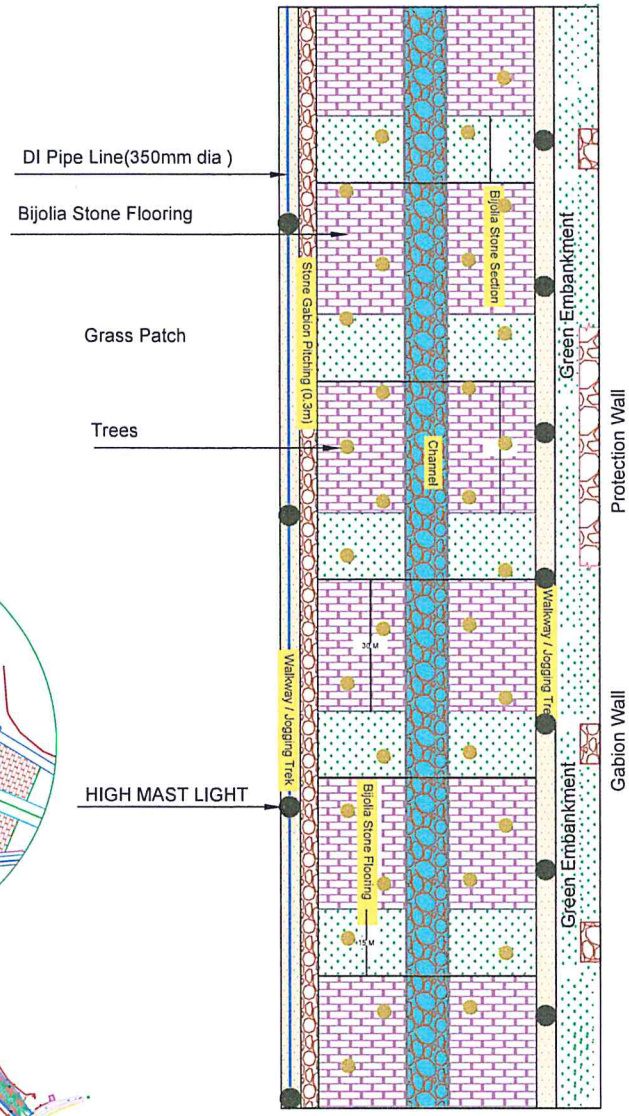


TYPICAL CROSS SECTION

Note : Section may differ as per site condition

LEGEND	DATE / REV. NO. / DISCRIPTIONS / BY — REVISIONS	CLIENT: UDAIPUR SMART CITY LTD.	CONSULTANTS: GROWEVER INFRA P. LTD.	PROJECT: REHABILITATION OF AYAD RIVER,UDAIPUR	DRAWING NO.: USCL/AR/2022/A REVISED:		
				NOTE: 01.ALL DIMENSIONS ARE IN METER	DRAWING TITLE: TYPICAL CROSS SECTION SCALE: 1:500	DATE: DESIGNED:	CHECKED: / APPROVED:





LEGEND	DATE / REV. NO. / DESCRIPTION / BY — REVISIONS	CLIENT: UDAIPUR SMART CITY LTD.	CONSULTANTS: GROWEVER INFRA PVT. LTD	PROJECT: REHABILITATION WORK OF AYAD RIVER,UDAIPUR	DRAWING NO. USCL/GROWEVER/ARPP/07	
				NOTE: 01.ALL DIMENSIONS ARE IN METER	REVISED:	
				SCALE:	DATE:	
					DESIGNED: Growever	CHECKED: / APPROVED:

During the course of site visit, the matter of Hon'ble NGT was discussed. The point wise submission provided by Smart City Officials were as under:-

1. **Reduction in carrying capacity of water during peak season**;

Comment-During peak monsoon period, Rather the river's capacity will be increased due to the net quantity of earth being taken out. The project's features, such as gabion structure, stone masonary protection walls and stabilization by coir mats and grassing, will protect the river side slopes from erosion and debris resulting in less chances of erosion of the banks of the river and thus reducing chances of loss of human life and property. The filling of depressions where the water is stagnated causing sever health hazards shall prevent the habitants from serious disease and illness.

2. **Increase in the chances of flash floods in the city of Udaipur due to reduction in the carrying capacity of the river;**

Comment-As mentioned in the para 1 above, the carrying capacity is not beingreduced and sothere is no question of increase in flash floods.

3. **The concretization will increase the runoff which will cause flooding in the area;**

Comment-The project does not involve concretization, except for the walls of the low level clear water channel with permeable middle part and some toe walls to prevent the erosion of the banks of Ayad River, increasing in the stability of the banks and smoothing of the edges of the river and most importantly levelling the depressions where the water is stagnated causing severe health hazard to the habitants. The bed of the river inside the channel will be made of stone pitching without any use of cement, so that the water may percolate to recharge the ground water table.

4. **The concretization will not give the river to spread which is a natural phenomenon for the rivers during monsoon;**

Comment- The part of the river Ayad in which the project is in the question, lies inside the densely populated city area of Udaipur. There is no space for the spread of the river during monsoon. As explained earlier also, the concretization is limited to some walls of channel, toe walls, some raft where soil strata is weak. There is no concretization on the outer boundaries of the river so as to obstruct the spread of the river.

5. **Reduction in the groundwater rechargeable capacity;**

Comment– Ayad is not a perennial river and the water comes only when the overflow of Pichhola, Fatehsagar& Swaroop Sagar lakes through a Nallah called Gumania Nallah for a period of around 1-2 months in a year. There is no reduction in the ground water rechargeable capacity, rather the capacity will be increased due to proper channelization of the stream, addition of 10 MLD treated water (total 15 MLD) of values of BOD less than 10 PPM after disinfection into the channel and by regulating the existing Anicuts with low level gates forming low level ponds in upstream channel.

During the site visit the District Collector, Udaipur ask the representative of Water Resources Department to give their view point in written especially w.r.t. the carrying capacity, flood discharge, ground water recharging and flash floods situation as they are the authority which regulate flow of water in Ayad River as well as can calculate the total discharge of water during floods and the area covered during the same. The reply given by the Xen, Water Resources Department is reproduced as under:-

- उदयपुर शहर के उत्तर पूर्व में आयड़ नदी बहती है, जो आगे चल कर बेड़च तत्पश्चात बनास नदी के नाम से जानी जाती है।
- इस नदी का उद्गम स्थल गोगुन्दा तहसील के पहाडी क्षैत्र से होता है। जो कि मदार स्थित बडा तलाब एवं छोटा तलाब से होता हुआ आयड़ नदी एवं चिकलवास फिडर से फतहसागर से पुनः आयड़ नदी में मिलता है, एवं इसके अलावा पिछोला झील का पानी भी आयड़ नदी में मिलता है। आयड़ नदी लगभग 11 कि.मी. तक उदयपुर शहर के मध्य में बहती हुई उदयसागर बांध में मिलती है।
- आयड़ नदी के जलग्रहण क्षैत्र में गुमानियावाला जिसमें फतहसागर एवं पिछोला का पानी डिस्चार्ज किया जाता है, वह नाला अलीपुरा-सरदारपुरा क्षैत्र में आकर मिलता है। गुमानियावाला नाले की जल निकास क्षमता 9000 क्युसेक है, एवं अधिकतम 12000 क्युसेक है।
- वर्तमान में आयड़ नदी में मदार स्थित बडा एवं छोटा तालाब से 13186 क्युसेक , पिछोला से 7012 क्युसेक एवं फतहसागर से 1335 क्यूसेक पानी छोडा जाता है।
- शहरी भाग में नदी की चैड़ाई 30 से 50 मीटर तक की है जिसमे से 10 मीटर नदी के तल को Granular Sub Base के साथ Dry Boulder Stone Wire Crate लगाया जा रहा है जिसके दोनो और Concrete wall बनायी जा रही है। शेष भाग मे Dry Lean Concrete के साथ निम्बाहेड़ा/बिजोलिया पत्थर के ब्लॉक बिच मे घास के साथ बिछाये जा रहे है।

- नगर निगम उदयपुर द्वारा स्मार्टसिटी के पायलट प्रोजेक्ट में आयड़ नदी में कराये जाने वाले कार्य कथित तौर पर आयड़ नदी के मुख्य बहाव क्षैत्र मे जल प्रवाह बाधा दुर करने के उपाय की योजना के साथ जल प्रवाह का वेग अत्यधीक बढ़ जायेगा।
- चूकिं यह बरसाती नदी है जो कि वर्षाकाल मे ही बहती है अतः इसके तल मे **Granular Sub Base** के उपर **Dry Boulder Stone** एवं **Dry Lean Concrete** के साथ निम्बाहेड़ा/बिजोलिया पत्थर के ब्लॉक मय बीच मे घास के साथ लगाने से भूजल रिचार्ज इसके बहाव के समय संयमित तो होगा लेकिन वर्षाकाल के पश्चात **STP** से छोड़े जाने वाले **15 MLD** साफ पानी जो कि इसकी 10 मीटर वाली चैनल मे बहेगा संभवतः इससे होने वाले संयमित भूजल रिचार्ज से नदी के आस-पास के क्षैत्रों के नलकुप/कुँओं के जल स्तर पर कोई विपरित प्रभाव नही होगा।
- नदी के बेड को प्राकृतिक स्लोप जैसा ही रख **Granular Sub Base** के साथ **Dry Boulder Stone** और **Dry Lean Concrete** के साथ निम्बाहेड़ा/बिजोलिया पत्थर के ब्लॉक मय बिच मे घास के साथ बिछाये जा रहे है जो कि नदी के बहाव की रफ्तार में तेजी लाएगा। जिससे नदी की **carrying capacity** में वृद्धि होगी।
- **Flash flood** की संभावना के सन्दर्भ मे यहाँ यह उल्लेखनिय है कि नदी के **Downstream** में जहाँ वर्णित प्रोजेक्ट का अंतिम छोर है, के बाद के क्षैत्र मे नदी की चौडाई ज्यादा होने से पानी के बहाव का वेग कम होगा जिससे **Flash flood** की सम्भावना कम हेागी। वर्णित प्रोजेक्ट की लगभग 5 किलोमीटर लम्बाई के सन्दर्भ में स्मार्ट सिटी द्वारा नियुक्त तकनिकी विषय विशेषज्ञ की रिपोर्ट आने पर, वर्णित रिपोर्ट, अन्य तकनिकी दस्तावेजो एवं तकनिकी पहलुओं की जांच पश्चात् निर्णय लिया जाना उचित होगा। अतः उक्त प्रकरण में प्राथमिक निरीक्षण टिप्पणी उपरोक्त अनुसार प्रस्तुत है।

Meanwhile, the CEO, Smart City have also appointed a subject technical expert Dr. S.K. Singh, HOD Civil Engineering Department, Jodhpur for giving expert advice on the issue.

The Water Resources Department have desired the complete details during flood discharge and the above report in a preliminary report on the issue and final report shall be submitted later.

(Anil Thalor)	**(Sharad Saksena)**	**(Tara Chand Meena)**
ExEn, WaterResources Department, Udaipur	**Regional Officer RSPCB, Udaipur**	**District Collector, Udaipur**

CIN: U75144RJ2016SGC049591

UDAIPUR SMART CITY LIMITED

Abhay Command and Control Centre Building
Nagar Nigam, Town Hall, Udaipur (Rajasthan) 313001
Tel: 0294-2425325
Website: www.udaipursmartcity.in, E-mail: uscl2016@gmail.com

Letter No.: USCL/2023-24/Ayad/ 42 Date: 12/04/23

To,
The Regional Officer,
Rajasthan State Pollution Control Board,
Udaipur (Raj)

Subject:- Regarding application no. 14/2023 Jheel Sanrakshan Samiti V/s State of Rajasthan & others before the National Green Tribunal Central Zone bench, Bhopal order dated 16.02.23

Ref:- Your letter No. RPCB/RO U/UDR/04 dated 04.04.23

Please refer your above letter regarding providing comment on the above matter at our level.

"It is very important to mention here that the Ayad is not a perennial river and the water comes only when Lake Pichhola, Fateh Sagar &Swaroop Sagar overflows from the rains in their catchment areas, through a Nalah called GumaniaNalah for a period of around 1-2 months in a year."

In this regards, version of Udaipur Smart City's comments are as under-

1. **Reduction in carrying capacity of water during peak monsoon-**

Comment:- As mentioned earlier, the carrying capacity of the river is not being reduced during peak monsoon period. Rather the river's capacity will be increased due to the net quantity of earth being taken out. The Project's features, such as gabion structures, stone masonry protection walls, and stabilization by coir mats and grassing, will protect the river's side slopes from erosion and debris resulting in less chances of erosion of the banks of the river and thus reducing chances of loss of human life & property. The filling of the depressions where the water is stagnated causing severe health hazards shall prevent the habitants from serious diseases and illnesses.

2. **Increase in the chances of flash floods in the city of Udaipur due to reduction in the carrying capacity of the river; and**

Comment:- As explained in the para 1 above, the carrying capacity is not being reduced and so there is no question of increase in flash floods.

3. **The concretization will increase the run off which will cause flooding in the area; and**

Comment:- Theproject does not involve concretization, except for the walls of the low level clear water channel with permeable middle part and some toe walls to prevent the erosion of the banks of Ayad River, increasing in the stability of the banks of the Ayad river, preventing erosions of banks and smoothing of the edges of the river and most importantly levelling the depressions where the water is stagnated causing severe health hazards to the habitants. The bed of the river inside
the channel will be made of stone pitching without any use of cement so that the water may percolate to recharge the ground water table.

4. **The concretization will not give the river to spread which is a natural phenomenon for the rivers during monsoon; and**

Comment:-The part of the river Ayad in which the project is in the question, lies inside the densely populated city area of Udaipur. There is no space for the spread of the river during monsoon. As explained earlier also, the concretization is limited to some walls of channel, toe walls, some raft where soil strata is weak. There is no concretization on the outer boundaries of the river so as to obstruct the spread of the river.

5. **Reduction in the ground water rechargeable capacity.**

Comment:-Ayad is not a perennial river and the water comes only when the overflow of Pichhola, Fateh Sagar &Swaroop Sagar lakes through a Nalah called GumaniaNalah for a period of around 1-2 months in a year. There is no reduction in the ground water rechargeable capacity, rather the capacity will be increased due to proper channelization of the stream, addition of 10 MLD treated water (total 15 MLD) of values of BOD less than 10 PPM after disinfection into the channel and byregulating the existing Anicuts with low level gates forming low level ponds in upstream channel.

Comments on compliance/non-compliance of orders/decision of Hon'ble High Court/NGT for following:-

1) **Abdul Rahman v. State of Rajasthan (2004 (4) WLC (Raj.) 435)**

Issue:-The major point to be considered in this Judgement are pertaining to demarcation of catchment areas, demarcation of drainage channel and to obtain a NOC from
irrigation department in the event construction activities will interfere with the flow of water.

USCL View:-Ayad project is not affected by this judgement as we are not carrying out any activity which will affect the natural flow of water in any way whatsoever.

2) **Prof KP Sharma v. State of Rajasthan (2012 SCC Online Raj 1559)**

Issue:-This case pertains to leasing out Jal Mahal Palace and catchment areas to a private party by the Government of Rajasthan to a private party to operate a commercial resort / hotel.
USCL View:-The rulings and findings made in this judgement does not in any way affect the Ayad Project.

3) **Akash Vashishta&Anr. v. Union of India &Ors. (2013 SCC Online NGT 3230)**

Issue:-The case pertains to construction activities being carried out in Doon valley around the river Ganga. In this case it was held by the NGT that construction upon flood plain is a prohibited activity as it affects the natural flow of river.

USCL View:-Our case is different from this one as USCL is not carrying out any construction activity in the flood plains and any change in the land use. The Project is being executed for the channelization of water for lean period to increase the recharging capacity, levelling the depressions to clear stagnated water and strengthening and stability of the river banks in order to prevent its erosion and is in no way affecting the natural flow of the river. The overall capacity of the River will be increased as the net quantity of earth is being taken out.

4) Manoj Mishra v. Delhi Development Authority (2017 SCC Online NGT 966)

Issue:-The case pertains to erection of a stage and conducting of an event by 'Art of Living' organization in the flood plains of river Yamuna and in this regard, it was held by NGT in the matter that the flood plain should be free from any development and must be left in its natural state.

USCL View:-USCL is not carrying out any development activity in the flood plain as the Project is being executed for the channelization of water for lean period to increase the recharging capacity, levelling the depressions to clear stagnated water and strengthening and stability of the river banks in order to prevent its erosion and is in no way affecting the natural flow of the river.The overall capacity of the River will be increased as the net quantity of earth is being taken out.

5) Manoj Mishra vs Delhi Development Authority (2015 SCC Online NGT 840)

Issue:-The case pertains to erection of a stage and conducting of an event by 'Art of Living' organization in the flood plains of river Yamuna and in this regard, it was held by NGT in the matter that the utilization of flood plain in a manner that would challenge the very basic nature of the flood plain would be impermissible. It was further held by NGT that it is not an area that can be permitted for activities and particularly by making constructions of temporary or semi-permanent nature in the flood plain itself.

USCL View:- It is abundantly clear from the paragraph above that USCL is not undertaking any activity which would challenge the very basic nature of the flood plain as the activity only pertains to increase in water recharging, carrying capacity, filling depressions to remove stagnated water, stability &strengthening of the river banks in order to prevent its erosion and is in no way affecting the natural flow of the river.

In addition to this, it is to inform you that we have appointed a subject technical expert from MBM University (a Rajasthan Govt. Funded University), Jodhpur Dr. S.K.Singh, Prof. & Head, Department of Civil Engineering, Specialization in Environmental Engineering (C.V. attached) for the study and giving expert advice on this issue. The advice will be sent along with the para wise reply of the writ to be sent to Hon'ble NGT.

Enclosure: As above.

(Pradeep S Sangawat)
Chief Executive Officer

Brief Resume

1. Name : Dr. Suresh Kumar Singh
2. Date of Birth : 04-03-1966
3. Present Post : Professor (Since Feb 2011)
4. Name of Department: Civil Engineering
5. Institution: MBM University Jodhpur , Rajasthan
   (A Govt of Rajasthan Funded University)
6. Qualification: Ph.D., PGD (Fin Mgt), ME (Environmental Engg), BE (Civil)
7. Experience: 31 Years (Teaching, Research and Consultancy)
8. Area of Specialization: Environmental Engineering
9. Residential address & Ph. Nos : 8- Vidhya Park, Central School Road, Airforce Area
   Ratanada, Jodhpur (Rajasthan)-342011
   Ph: 8209036225 (M) , 2670404 (R)
   Email: sksingh.jnvu@gmail.com
10. Major Research Project: Completed: 5
11. Research Contribution:

(a) Ph.D.: 5 (Awarded) , 8 in progress , (b) M. E. Dissertation: More Than 50

12. Publications:

(a) Publications in Journals & proceedings : 68

(b) Report Published: 01

13. Consultancy Project completed: More than 180 in the field of Environmental Engineering

14. Research Interest: Research interests include air quality impacts on human health, environmental impact assessment, solid waste management, water & waste water treatment & management. Worked & working with IIT Delhi, IIT Kanpur, MNIT Jaipur and with private companies on various research projects.

15. Major Contribution to the Government & Society:

(a) Expert Member in the State Level Expert Appraisal Committee (SEAC) appointed by Government of India (Recommending Committee to grant *Environmental Clearance* to the projects) for Rajasthan (Oct 2021 to sept 2024).

(b) Associated in the preparation of "State Sewerage and Waste water Policy -2016" of Government of Rajasthan to achieve vision of *'Swachh Bharat Abhiyan'*.

(c) Worked as Government Analyst (air and water) for Department of Environment, Government of Rajasthan

(d) Worked as Expert Member in the State Level Expert Appraisal Committee (SEAC) appointed by Government of India (Recommending Committee to grant *Environmental Clearance* to the projects) for Rajasthan (August 2011 – July 2014).

(e) Associated in the implementation of various sewerage projects in the state of Rajasthan.

(f) Associated in the establishment of various Common Effluent Treatment Plants for various industrial areas in the state of Rajasthan.

(g) Associated in the appraisal of sewerage *DPR* and solid waste management *DPR*.

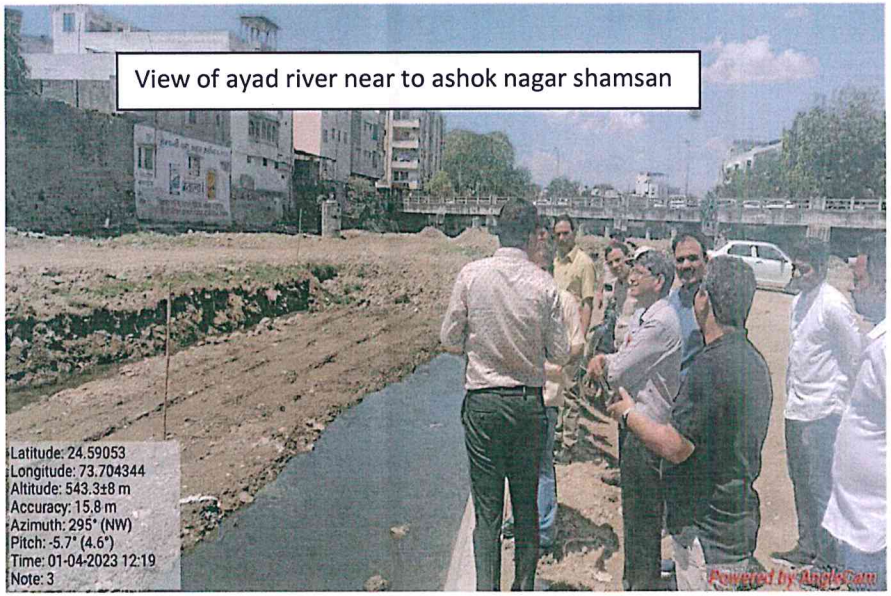
(Dr. S.K. Singh)

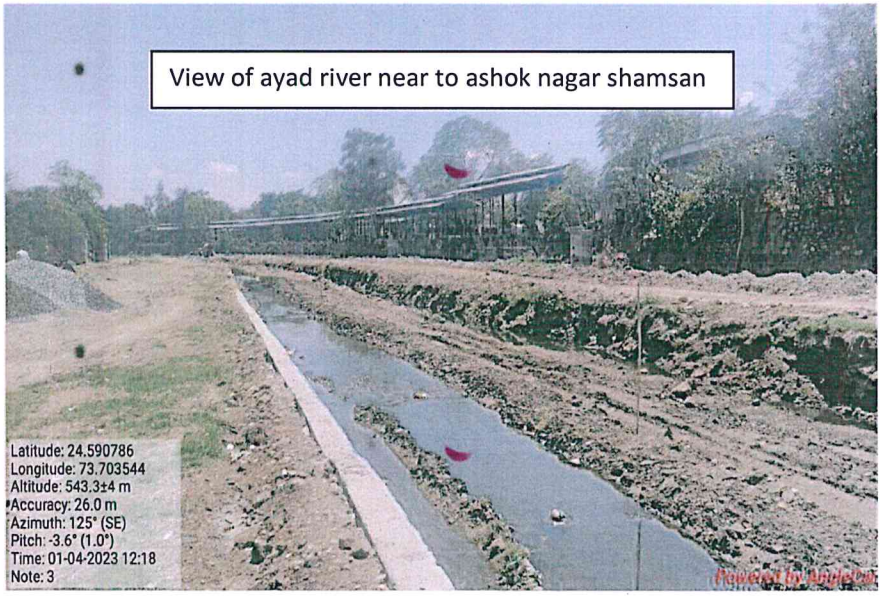

Joint committee visit at ayad river near to ashok nagar shamsan
Latitude: 24.590537
Longitude: 73.704308
Elevation: 592.0±6 m
Accuracy: 9.0 m
Azimuth: 309° (NW)
Pitch: -8.2° (3.2°)
Time: 01-04-2023 12:20
Note: 3
Powered by AngleCam


View of ayad river near to ashok nagar shamsan
Latitude: 24.590531
Longitude: 73.704318
Elevation: 592.2±5 m
Accuracy: 8.7 m
Azimuth: 280° (W)
Pitch: -11.9° (-12.8°)
Time: 01-04-2023 12:20
Note: 3
Powered by AngleCam

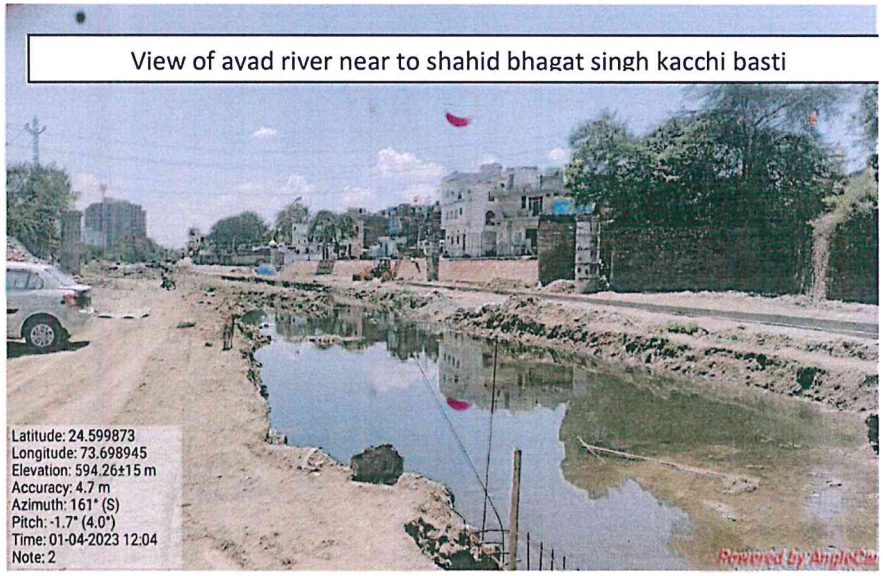

Joint committee visit at ayad river near to ashok nagar shamsan
Latitude: 24.590532
Longitude: 73.704335
Elevation: 592.2±19 m
Accuracy: 7.5 m
Azimuth: 301° (NW)
Pitch: -4.8° (1.0°)
Time: 01-04-2023 12:19
Note: 3
Powered by AngleCam


Joint committee visit at ayad river near to ashok nagar shamsan
Latitude: 24.59054
Longitude: 73.704332
Elevation: 592.2±35 m
Accuracy: 8.0 m
Azimuth: 299° (NW)
Pitch: -12.7° (-2.0°)
Time: 01-04-2023 12:19
Note: 3
Powered by AngleCam


View of ayad river near to ashok nagar shamsan
Latitude: 24.59053
Longitude: 73.704344
Altitude: 543.3±8 m
Accuracy: 15.8 m
Azimuth: 295° (NW)
Pitch: -5.7° (4.6°)
Time: 01-04-2023 12:19
Note: 3
Powered by AngleCam

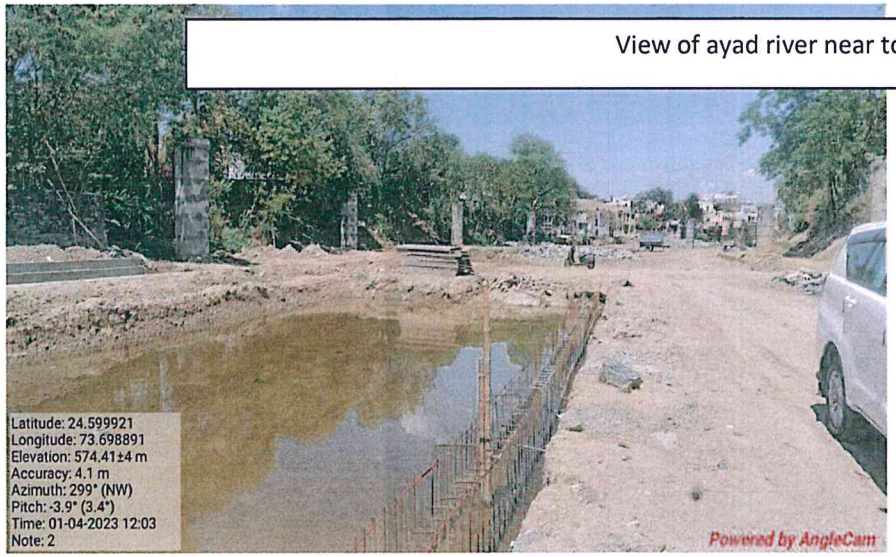

View of ayad river near to ashok nagar shamsan
Latitude: 24.590786
Longitude: 73.703544
Altitude: 543.3±4 m
Accuracy: 26.0 m
Azimuth: 125° (SE)
Pitch: -3.6° (1.0°)
Time: 01-04-2023 12:18
Note: 3


Joint committee visit at ayad river near to shahid bhagat singh kacchi basti
Latitude: 24.599912
Longitude: 73.698909
Elevation: 578.6±5 m
Accuracy: 5.1 m
Azimuth: 306° (NW)
Pitch: -6.8° (4.0°)
Time: 01-04-2023 12:05
Note: 2
Powered by AngleCam


View of ayad river near to shahid bhagat singh kacchi basti
Latitude: 24.599873
Longitude: 73.698945
Elevation: 594.26±15 m
Accuracy: 4.7 m
Azimuth: 161° (S)
Pitch: -1.7° (4.0°)
Time: 01-04-2023 12:04
Note: 2

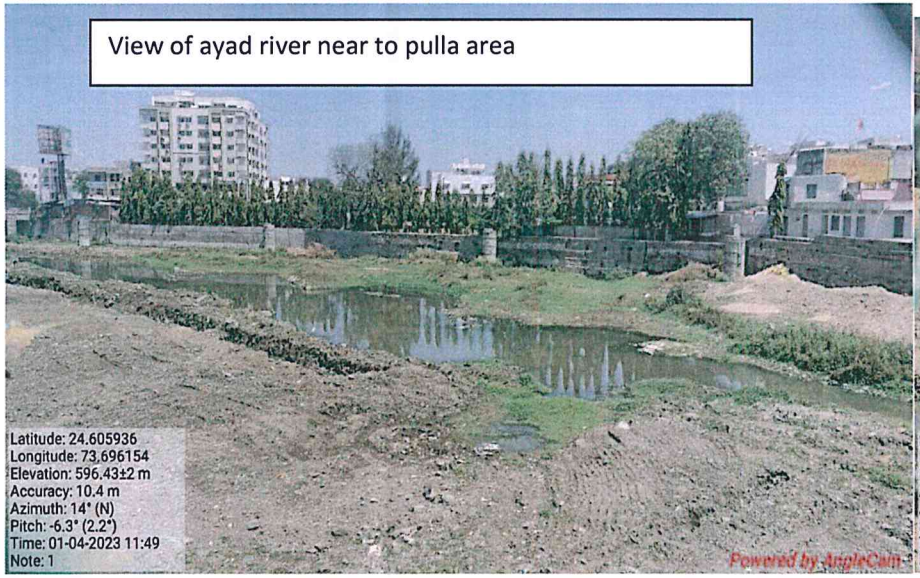
Joint committee visit at ayad river near to shahid bhagat singh kacchi basti

View of ayad river near to shahid bhagat singh kacchi basti




Joint committee visit of ayad river near to pulla area
Latitude: 24.605928
Longitude: 73.696152
Elevation: 592.53±3 m
Accuracy: 4.9 m
Azimuth: 336° (NW)
Pitch: -8.3° (1.0°)
Time: 01-04-2023 11:53
Note: 1
Powered by AngleCam


Joint committee visit of ayad river near to pulla area
Latitude: 24.605985
Longitude: 73.696182
Elevation: 592.53±6 m
Accuracy: 16.0 m
Azimuth: 344° (N)
Pitch: 0.1° (1.3°)
Time: 01-04-2023 11:47
Note: 1
Powered by AngleCam


View of ayad river near to pulla area
Latitude: 24.605936
Longitude: 73.696154
Elevation: 596.43±2 m
Accuracy: 10.4 m
Azimuth: 14° (N)
Pitch: -6.3° (2.2°)
Time: 01-04-2023 11:49
Note: 1
Powered by AngleCam


Joint committee visit of ayad river near to pulla area
Latitude: 24.605939
Longitude: 73.696162
Elevation: 592.53±4 m
Accuracy: 17.2 m
Azimuth: 85° (E)
Pitch: -13.0° (6.6°)
Time: 01-04-2023 11:48
Note: 1
Powered by AngleCam