

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE BENCH AT CHENNAI
ORIGINAL APPLICATION NO. 156/2025
[EARLIER O.A. NO.360/2025(PB)]**

IN THE MATTER OF:

Suo Moto matter in respect of news item appearing in Daijiworld.com dated 10.07.2025 titled "Udupi: Plastic waste sludge mar beauty of Manipal Lake cries for urgent cleanup"

AND

Karnataka Tank Conservation and Development Authority and Ors

...Respondents

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Filed by



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Date: 06.02.2026

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ACTION TAKEN REPORT ON BEHALF OF RESPONDENT NO. 1

**(Chief Executive Officer, Karnataka Tank Conservation and
Development Authority)**

MOST RESPECTFULLY SHOWETH:

1. That the instant Original Application pertains to pollution at Manipal Lake, Udupi on account of littering of sludge, food wrappers, bottles, and other non-biodegradable materials around the lake.

2. It is submitted that in this regard, a meeting was convened on 16.01.2026 under the chairmanship of the Deputy Commissioner, Udupi District. True Copy of proceedings of meeting dated 16.01.2026 are annexed herewith as **Annexure-A**.
3. In the said meeting, the issue was discussed at length and the following decisions were taken:
 - The Commissioner, Udupi City Municipality was instructed to immediately clean the plastic and other waste accumulated in Manipal Lake and its surrounding areas and to submit a report.
 - Further, with a view to maintain cleanliness around the Lake in future, the City Municipality was directed to deploy 4 sanitation workers for carrying out continuous cleaning activities, to install instructional signboards to create public awareness, and to provide garbage bins at appropriate locations to prevent indiscriminate dumping of waste by the public. The Commissioner was also instructed to submit a report on the actions taken in this regard.
 - Accordingly, the Commissioner, Udupi City Municipality has submitted a report stating that sanitation workers have already been deployed to maintain cleanliness in and around Manipal Lake in Udupi Taluk and that daily cleaning activities are being carried out. It is further reported that garbage bins have been installed to ensure proper disposal of plastic and other waste so that it does not enter the lake source or pedestrian pathways, and that steps are being taken to create awareness among the

public. True Copy of report furnished by the Commissioner, Udupi City Municipality is annexed herewith as **Annexure-B**.

- The Project Director, Nirmithi Kendra, Udupi was instructed to prepare a three-phase development project report for the phased development of Manipal Lake. Accordingly, Nirmithi Kendra has prepared a development plan for beautification of the Lake and for providing open public access, with a total estimated cost of Rs. 34.50 Crores. Phase wise development plan submitted by Nirmithi Kendra is as follows:

S. No.	Description	Estimated Amount (In INR)
1	Phase-I (Walking track, electrification, cycling track, ayurvedic garden, landscaping, toilet block, outdoor gym, children's play equipment, CCTV cameras, skating rink)	7.50 Crores
2	Phase-II (Sewage Treatment Plant, lake embankment protection works, vehicle parking, approach road, multipurpose indoor stadium)	8 Crores
3	Phase-III (Restaurant, gazebo, floating restaurant and resorts)	19 Crores
	Total	34.50 Crores

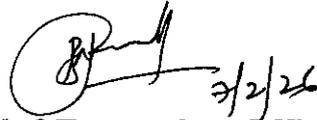
True Copy of Development Plan submitted by Nirmithi Kendra is annexed herewith as **Annexure-C**.

- With regard to the work of increasing the water level in Manipal Lake at an estimated cost of Rs. 2.00 crore, as decided in the meeting of the Lake Rejuvenation, Single-Window Committee of the Udupi Urban Development Authority, and as per the orders issued by the Deputy Commissioner for utilization of funds from the Lake Rejuvenation Fund of the Udupi Urban Development

Authority, approval was accorded to the prepared estimate and the Commissioner, Udupi Urban Development Authority was instructed to carry out the tender process as per rules.

- For park development, the utilization of Rs. 5.00 crore from the Garden Land Utilization Fund of the Udupi Urban Development Authority was discussed, and the Commissioner, Udupi Urban Development Authority and the Assistant Executive Engineer, Udupi Urban Development Authority were instructed to prepare the appropriate estimate, obtain approval as per rules, and take further necessary action.
4. After considering all the above aspects, it is submitted that decisions are being taken to implement vide meeting proceedings of the District-level Committee constituted under the chairmanship of the Deputy Commissioner for the comprehensive development, cleanliness, and sanitation of Manipal Lake (Mannapalla Lake) located in Manipal, Udupi District.
 5. It is submitted that steps have been taken to clean the lake and remove plastic waste as well as all other waste material in and around the lake. True Copy of photographs dated 04.02.2026 of the lake are annexed herewith as **Annexure-D**.

6. Hence, in view of the fact that plastic waste and other waste materials littered around the lake have already been cleared, it is most humbly prayed that the instant Original Application may be disposed off.



Chief Executive Officer,
Karnataka Tank Conservation
and Development Authority.
Bengaluru.


(RESPONDENT NO. 1)
07.2.2026

Date:07.02.2026

Filed by



DARPAN KM
STANDING COUNSEL
STATE OF KARNATAKA

Proceedings of meeting held On 16-01-2026 at 10:30 AM held under the chairmanship of the Hon'ble Chairman Manipala Lake (Mannapalla) Development Committee & Deputy Commissioner, Udupi

Annexure A

Members Present:

1. Deputy Commissioner, Udupi District, Udupi, and President, Mannapalla Development Committee, Manipal.
2. Shri Yashpal A. Suvarna, Hon'ble MLA, Udupi.
3. Commissioner, City Municipal Council, Udupi.
4. Deputy Director, Fisheries Department, Udupi.
5. Commissioner, Urban Development Authority, Udupi.
6. Assistant Director, Tourism Department, Udupi.
7. Planning Director, Nirmithi Kendra, Udupi.
8. Assistant Director, Youth Empowerment and Sports Department, Udupi.
9. Executive Engineer, Minor Irrigation Department, Udupi.
10. Commissioner, Urban Development Authority, Udupi.

1.	With reference to the news published in the mass media regarding heaps of plastic and other waste accumulated in Mannapalla Lake and in the surrounding areas of the lake, and in connection with the Suo Moto Case No. 156/2025 (SZ) registered before the Hon'ble National Green Tribunal, Chennai, the notice issued by the Hon'ble Tribunal in this regard was discussed in the meeting.																
	In this connection, it was informed to the Commissioner, City Municipal Council, Udupi , to immediately clean the plastic and other waste accumulated in Mannapalla Lake and the surrounding areas. Further, in order to maintain cleanliness in the Mannapalla Lake area in the coming days, the City Municipal Council has deputed 04 sanitation workers , continuous cleaning work is being carried out through its staff, awareness signboards have been installed to create public awareness, and instructions have been issued to provide a proper waste-bin system so that the public do not throw garbage indiscriminately. Regarding the action taken in this matter, the Commissioner, City Municipal Council, Udupi , who was present, was instructed in the meeting to submit a report to this Committee along with photographs. Action : Commissioner, City Municipal Council, Udupi.																
2.	As indicated in the earlier meeting, for the phased development of Mannapalla Lake, the Planning Director, Nirmithi Kendra , has prepared and submitted a three-phase development proposal , as detailed below:																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sl. No.</th> <th style="width: 65%;">Description</th> <th style="width: 30%;">Estimated amount (in Lakhs)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>PHASE I (Walking track, electrification, cycling track, Ayurvedic garden & landscaping, toilet block, outdoor gym, children playing equipment, CC camera and skating rink, advertisement hoarding board, food court, amphitheatre and advertisement digital board)</td> <td style="text-align: center;">1040.00</td> </tr> <tr> <td style="text-align: center;">2</td> <td>PHASE II (Sewage Treatment Plant, lakeside pitching protection work & vehicle parking & approach road and multipurpose indoor stadium)</td> <td style="text-align: center;">800.00</td> </tr> <tr> <td style="text-align: center;">3</td> <td>PHASE III (Restaurant, gazebo, floating restaurant & resorts)</td> <td style="text-align: center;">1900.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total Amount (Rs.)</td> <td style="text-align: center;">3740.00</td> </tr> </tbody> </table>		Sl. No.	Description	Estimated amount (in Lakhs)	1	PHASE I (Walking track, electrification, cycling track, Ayurvedic garden & landscaping, toilet block, outdoor gym, children playing equipment, CC camera and skating rink, advertisement hoarding board, food court, amphitheatre and advertisement digital board)	1040.00	2	PHASE II (Sewage Treatment Plant, lakeside pitching protection work & vehicle parking & approach road and multipurpose indoor stadium)	800.00	3	PHASE III (Restaurant, gazebo, floating restaurant & resorts)	1900.00	Total Amount (Rs.)		3740.00
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	Further, with regard to increasing the water level in Mannapalla Lake, an amount of Rs. 2.00 Crores was approved in the meeting of the Udupi Urban Development Authority Lake Rejuvenation Single-Window Committee , held on 16-01-2026 under the chairmanship of the Hon'ble Deputy Commissioner, Udupi District, Udupi , to be utilized from the Udupi Urban Development Authority Lake Rejuvenation Fund , as per the orders issued by the Hon'ble Deputy Commissioner . Accordingly, instructions were issued to prepare the estimate and to carry out the tender process as per rules.																
	Further, for park development, instructions were issued to prepare an appropriate estimate and to obtain approval as per rules for utilization of Rs. 5.00 Crores from the Udupi Urban Development Authority Garden Development Fund . In this regard, the Commissioner, Urban Development Authority, Udupi , and the Assistant Executive Engineer, Urban Development Authority, Udupi , who were present, were instructed and the decision was taken in the meeting.																

Sd/-

Member Secretary

Manipala Lake Development Committee

Sd/-

Chairman

Manipala Lake Development Committee



Annexure B

CMC Udipi City Municipal Council

KM Marg, Udipi, Udipi District, Karnataka - 576101.

Contact/Email: ka.udupi.cmc@gmail.com

CMCUDP-HLTHOGP/6/2025-CMCU (E-173107)

Date: 04.02.2026

To:

The Hon'ble Deputy Commissioner,
Udipi District,
Udipi.

Respected Madam,

Subject: Maintenance and cleanliness of Mannapalla at Manipal.

Reference: As indicated in the meeting of the Mannapalla Development Committee.

With reference to the above subject, regarding Mannapalla Lake located at Manipal within the limits of Udipi City Municipal Council, it is informed that news has been broadcast in the mass media about heaps of plastic and other waste accumulated in the lake and in the surrounding areas of the lake. In connection with the **Suo Moto** case registered before the Hon'ble National Green Tribunal, Chennai, it has been indicated in the above-referred meeting to take appropriate action in this regard.

Accordingly, for maintaining cleanliness in the Mannapalla Lake area, **04 sanitation workers** have been deputed from this office. Continuous cleaning work is being carried out, and the waste collected in the dustbins already installed is being cleared periodically. This information is submitted for the kind information of the Hon'ble authority.

Yours faithfully,

Sd/-

Commissioner
Udipi City Municipal Council

Copy to:

The Commissioner, Urban Development Authority, Udipi, and The Member Secretary,
Mannapalla Development Committee, Manipal, Udipi – for information.

ESTIMATE											
PROPOSED DEVELOPMENT WORK OF POND OF MANIPAL LAKE , UDUPI.											
ಅಂದಾಜು ಮೊತ್ತ ರೂ :										197.00 ಲಕ್ಷ	
Sl. No	Discription of work	No		L		B		D	Qty	Rate	Amount
	Site Clearance, Desilting & Dewatering										
1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. In area of thorny jungle By Manual Means in area of thorny jungel										
	(PWD SR 2023-24, Item No.2.4.(ii).b,Page 9,Vol-3)										
	Pond bed center	1	x	1700.000	x	10.000		=	17000.00		
									170.00	1680.00	2,85,600.00
									100sqm		
	Basic Rate Rs.			1500.00							
	Add 12% A.W			180.00							
				1680.00		100sqm					
2	De-silting tank bed/Feeder Channel/Canal in dry condition by excavating the deposited bed material and disposing off the same by stacking/ formation of Embankment or as directed including cost of all machinery, labour etc., complete with lead upto 1 km and and all lifts. In area of thorny jungle By Mechanical Means using Dozer										
	(PWD SR 2023-24, Item No.1.14.1,Page 8,Vol-1)										
	Pond bed center	1	x	205123.66	x	0.96		=	196303.34		
									196303.34	80.30	1,57,63,158.00
									Cum		
	Basic Rate Rs.			73.00							
	Add 10% A.W			7.30							
				80.30		/Cum					
3	Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthern bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 10.0 to 19.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary.										
	(PWD SR 2023-24 Item.No-17-B .4 ,Page.No-160, vol 3)										
	Pond water	4	x	64.00	x	8.00		=	2048.00		
				days		hour			2048.00	224.00	4,58,752.00
									hours		
	Basic Rate Rs.			200.00							
	Add 12% A.W			24.00							
				224.00		/hour					
	TOTAL									RS:	1,65,07,510.00
	PMC CHARGE 1.00%									RS:	1,65,075.00
	SUB TOTAL									RS:	1,66,72,585.00
	GST 18%									RS:	30,01,065.00
	Miscellaneous work L.S									RS:	26,350.00
	GRAND TOTAL									RS:	1,97,00,000.00
	(ONE CRORES NINETY SEVEN LAKH Rupees Only)										

PROJECT REPORT

On

MANNU-PALLA LAKE AREA DEVELOPMENT

Mannu-palla Lake also known as Manipal Lake is in Udupi city municipal area of Udupi district in Karnataka



PROJECT PROPOSAL PREPARED BY :
UDUPI NIRMITHI KENDRA
UDUPI DISTRICT

**Name of Work: Development Work of Mannapalla Lake at
Manipal, Udupi District**

ABSTRACT

SL No.	DISCRIPTION	ESTIMATED AMOUNT in LAKHS
1	PHASE I (walking Trach, Electrification, Cycling track, Ayurvedi garden & landscaping, Toilet block, Outdoor Gym, Children Palying equipment, CC camera and Skating ring, advertisement Hording board, Food court, Amphitheatre and advertisement digital board)	1040.00
2	PHASE II (Sewage Treatment plant, Lake side pitching protection work & Vehicle parking & approach road and Multipurpose Indoor Stadium)	800.00
3	PHASE III (Restaurant, Gazabo, Floating restaurant & Resorts)	1900.00
	ಒಟ್ಟು ಮೊತ್ತ: ರೂ.	3740.00


DIVAKARAP
 ASSISTANT PROJECT MANAGER
 UDUPI NIRMITHI KENDRA


ARUN KUMAR
 PROJECT DIRECTOR
 UDUPI NIRMITHI KENDRA

Request to be a Stake Holder for the Development of Mannupalla Lake:

INTRODUCTION:

Natural Lakes are inherent part of the eco system, its uses being manifold, the advantages of it we experience or feel in a myriad different ways.

Apart from meeting water requirements of the populace for drinking, agriculture & religious purposes, lakes are known to recharge ground water, channelize water flow to prevent water logging & flooding. On the Ecological front, Lakes act as a host to a wide variety of Flora & Fauna, Birds, whether migrating or local.

Despite being located on a barren Lateritic Plateau, Manipal is fortunate to be blessed by one such water collection pond known as Mannupalla which incidentally gave Manipal its name.

Over the years, Manipal a sleepy little town as it began its existence, has now grown to a bustling University Town, internationally acclaimed as an Education & Health care Hub. This exponential growth seen since the last decade has created a sudden need for public infrastructure like Housing & Commercial spaces, increasing the worth of real estate in & around Udupi & Manipal. This demand has in turn fuelled investments in Real estate to such an extent that Manipal is now dotted with high rises & mega multistoried apartments, commercial buildings almost at par with any of the second tier cities of Karnataka. The sad reality is that Infra structure like roads, public drainage, parking pockets, landscaped park & open spaces are yet to catch up with this pace of development.

It is under this very backdrop of too sudden a growth, development ends up being unchecked, resulting in encroachment of vital open areas, polluting existing water bodies etc. The Mannupalla Lake now stands vulnerable to this meteoric growth of Manipal & needs to be conserved at any cost.

A brief background of the efforts done till now, has been detailed out along with the Master plan for Mannupalla, listing out all the different components that

need to be completed. To achieve this a huge outlay of funds are required & we request Corporate bodies, Institutions, Industrial houses, High worth individuals, to come forward & contribute substantially so that collectively this effort reaches its fruitful completion.

Background:

Inception of the Project:

The need to conserve the Lake was taken up by the District Administration with the involvement of a few spirited citizens some time in 2004-05

The plans for **Phase I** drawn up were as follows:

1. Deepen the Lake by excavating the Lake bed so as to increase its net water storage capacity. This would ensure a longer retention of water during the peak summer months.
2. Create Walking path along the bund of the Lake so as to provide the Citizens of Manipal to relax & rejuvenate.
3. Increase the green cover around the Lake.
4. Introduce Recreational activities like Boating, fishing etc.
5. Creation of a Play ground by dumping this excavated earth on to the South Western flank of the Lake.
6. Garden, Park with Landscaped green.
7. Laying out a Medicinal Plant garden.

The District Administration started the Phase-I, despite the area around the Lake having settlers on its North Western side polluting & defecating on the Lake bed. Hence all the above developments which were carried out did not see its completion at every level.

Phase II:

Works carried out in this phase is listed out below:

1. Eviction of the settlers & Rehabilitation by the District Administration.
2. Pitching the lake sides with Granite boulders.
3. Formation & increasing the height of the Playground.
4. Creation of a Gallery seating at the north eastern side of the Playground.
5. Constructing Water Channel to direct the overflow down the Valley.

6. Constructing drains in the upper reaches of the Residential Colony, so as to tap water & direct it to Lake during the lean rainy season.

All these works were successfully carried out incurring an expenditure of 243.00 Lakhs to complete all the works as per the Master plan, a huge outlay of funds are required & hence this request.

Concept: To preserve the lake in its natural habitat as much as possible & avoid too much of modern intervention by minimizing sign boards, donor advertisements etc. and to provide a safe, clean recreational space around the lake so that the users would benefit.

A **SWOT** Analysis was done to understand the overall scenario.

Strengths:

1. The quality of water is relatively unspoilt & can be termed as quite "clean".
2. The deepening of the Lake has resulted in larger & deeper water storage, permitting the growth of fishes released each year at the beginning of the rainy season.
3. The Lake has to its advantage a buffer green belt around its boundary starting as a thin strip which runs along the north western edge & widens as it reaches the northern periphery.
4. The existence of Hasta Shilpa Heritage Village on to the north & eastern periphery will also ensure no untoward development that will affect the lake & its surroundings.
5. The allocation of the South Eastern land adjoining the boundary to the Nirmithi Kendra, Udipi for its Administration & Guest House, has given the Lake a reliable watch dog by its presence to maintain & prevent encroachments & also be an effective agency of communication between the Citizens & the District Administration.
6. By rejuvenating the Lake, the micro climate around it which is much cooler than the reflected & the absorbed heat of the high rise buildings, will find its way into the surrounding areas, creating a soothing environment & providing the citizenry a much needed lung space.

Weakness:

1. Poor public participation by Corporate, Educational Institutions in areas of Funding
2. The geographical location of the Lake in a Valley surrounded by gentle Sloping plateaus, having laterite rock in its surface makes it vulnerable to a variety of wastes be it Industrial, or domestic to flow into the Lake without getting absorbed by the land mass.
3. Failure of the Government to fix the boundaries of its northern western to the northern periphery has resulted in a lot of encroachments.
4. The planting of predatory tree species like Acacia on the northern periphery has virtually eliminated all the local tree species.

Threats:

1. High rise buildings constructed on the south eastern flank of the lake land which happened to be part of the Lake bed decades back, pose a threat from its effluents which will eventually find its way to the Lake due to the absence of an underground drainage system & the lack of absorption in the land mass due to laterite rock.
2. Urbanization around the lake, face the threat of ground water/ storm water contamination due to spill offs, the lake being the lowest point. This has recently come true owing to the concrete storm water drain laid from Alevoor road terminating towards the lake by the Badagubettu Panchayat.
3. As the lake develops into a beautiful area, encroachments might increase around its boundary to exploit its view & translate it into a lucrative Real Estate opportunity.

Opportunities:

1. Manipal being home to predominantly a wide spectrum of highly educated citizens, it should not be a difficult task to inspire & expect a positive contribution to this cause.
2. Various social groups, corporate & Institutions can be requested to contribute to its overall development & fulfill its larger statutory corporate responsibilities.

3. The stage on the Lake front can be a platform to promote Arts (Performing & Visual) & Crafts (Traditional & Contemporary), in addition to rent it out for local cultural events so as to earn revenue to maintain and sustain the Lake development.
4. The limitless possibilities in showcasing Nature's myriad forms are possible to a great extent in a project like this. By rejuvenating a Lake & its surrounding by appropriate landscaping, a variety of birds, butterflies, will add to the scenic beauty of the Lake & enrich one's mundane life.
5. A Bio diversity park can easily be created on the sloping lands of the lake periphery wherein, all the western ghats species could be showcased. The structure created near the stage can then be used to house all the required administrative and research activities.

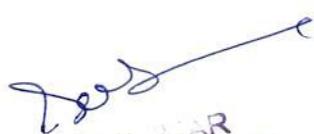
Master plan:

A Comprehensive Master plan has been drawn out factoring the developments done till date & prioritizing those activities which would enable to complete the project.

1. Identifying the **lake boundary extent and fencing** the same with PVC coated chain link mesh fastened to pre-cast R.C.C pillars.
2. Providing two numbers of **security kiosks** at the designated entry points of the lake.
3. Installation of **CCTV cameras** at vantage points.
4. Creating **viewing gallery** at the south western portion of the lake.
5. Fixing appropriate **sign boards** to communicate the do's and don'ts for the usage of the lake and also have information about the tourism spots in the district of Udipi.
6. Constructing an **elevated water tank** and putting in place the required water lines from existing bore well to the tank and also to all the areas that need to be irrigated to sustain the landscape.
7. To create a compacted **earthen track** parallel to the already created interlocked walking track so that it serves as a road to access all the garbage bins that would need periodic cleaning. This track would also help the joggers jog safely without hurting their knees jogging on a hard surface.

8. To plan a **bio-diversity park** by collecting all the required rare species endemic to the western ghats region and plant the same and also **landscape** the following areas.
 - a. Area around open air stage.
 - b. Edge planting along the periphery of the lake.
 - c. Revive the already created medicinal garden and further expand its range of species.
9. Locate proper stainless steel **garbage bins** at appropriate points with a fool proof system of clearing the garbage periodically so that it doesn't pollute the environment around the lake.
10. Install **solar lamps** along the walking track and all other areas that would require accessibility during late evening hours like parking area, around the open air stage, around the sports facilities and playground.
11. A **urinal block** to be constructed near the open air stage so that it can service both the users of the stage facility and walkers as well. Its proximity to the sewage treatment plant located behind the stage would ensure a clean and a safe environment.
12. An approach road to the **parking lot**, the terraced parking lot to be created as a support facility for the open air stage.
13. Create **pergolas** covered with flowering creepers along with seating underneath them, at five vantage points to provide some respite from the elements of nature.
14. Fixing control mechanisms to control **inflow of sewage** into the lake from the upper reaches of urban settlements located in the Badagubettu Panchayat area.
15. Create an **arched gateway** at two designated entry points into the lake area.
16. Have a sustainable economic plan for the lake maintenance as it requires both man power (security guards and gardeners on a daily basis) and electricity expense.


 DIVAKARA P
 ASSISTANT PROJECT MANAGER
 UDUPI NIRMITHI KENDRA


 ARUN KUMAR
 PROJECT DIRECTOR
 UDUPI NIRMITHI KENDRA

Name of the work: Development of the area around Mannapalla Lake in Manipal, Udupi district (Phase One)

Estimated amount: Rs.1040.00Lakhs

ESTIMATION

Sl. No.	PARTICULARS	QTY.	UNIT	RATE	AMOUNT
PHASE I					
1	Providng widening and upgrading of walking track	3260.00	Sqm	3000.00	97,80,000.00
2	Electrification works & lake sarrounding lighting				50,00,000.00
3	Lake D silting				2,00,00,000.00
4	Providng Cycling Track	2774.00	Sqm	3000.00	83,22,000.00
5	Providing and construction Toilet block	2.00	Unit	2500000.00	50,00,000.00
6	Landscaping works, Ayurvedic garden	#####	Sqft	50.00	1,67,65,000.00
7	Providng and supplaying Children paly Equipmets				10,00,000.00
8	Providng and supplaying outdoor gym equipmets				15,00,000.00
9	Providng and constructing Skating ring				50,00,000.00
10	Providing CC camara sarround the lake				26,33,000.00
11	Construction of Food Court	4.00	Unit	1500000.00	60,00,000.00

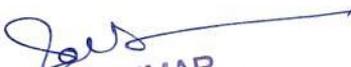
12	Construction of open air Amphitheatre (300 sitting Capacity)	1.00	No	10000000.00	1,00,00,000.00
13	Providing adverttisement Hordings board	10.00	No	800000.00	80,00,000.00
14	Display adverttisement digital board	25.00	No	200000.00	50,00,000.00
(Rupees Seven hundred fifty lakhs Only)		Total		Rs.	104000000.00


 DIVAKAR P
 ASSISTANT PROJECT MANAGER
 UDUPI NIRMITHI KENDRA


 ARUN KUMAR
 PROJECT DIRECTOR
 UDUPI NIRMITHI KENDRA

Name of the work: Development of the area around Mannapalla Lake in Manipal, Udupi district. (Second phase)				
				Estimated Amount: Rs.800.00Lakhs
ESTIMATION				
PHASE II				
1	Providing & upgrading sewage treatment Plant 100KLD capacity			30,00,000.00
2	Providing and upgrading lake side pitching & lake Edge protection for public safety	9000.00	Sq.m	1,80,00,000.00
3	Providing development of vehicle Parking area and approach road	3750.00	Sq.m	90,00,000.00
4	Construction of Multipurpose Indoor Stadium			5,00,00,000.00
(Rupees Eight hundred lakhs Only)		Total		Rs. 80000000.00


 DIVAKARAP
 ASSISTANT PROJECT MANAGER
 UDUPI NIRMITHI KENDRA


 ARUN KUMAR
 PROJECT DIRECTOR
 UDUPI NIRMITHI KENDRA

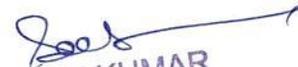
Name of the work: Development of the area around Mannapalla Lake in Manipal, Udupi district. (Phase Three)

Estimated Amount: Rs.1900.00Lakhs

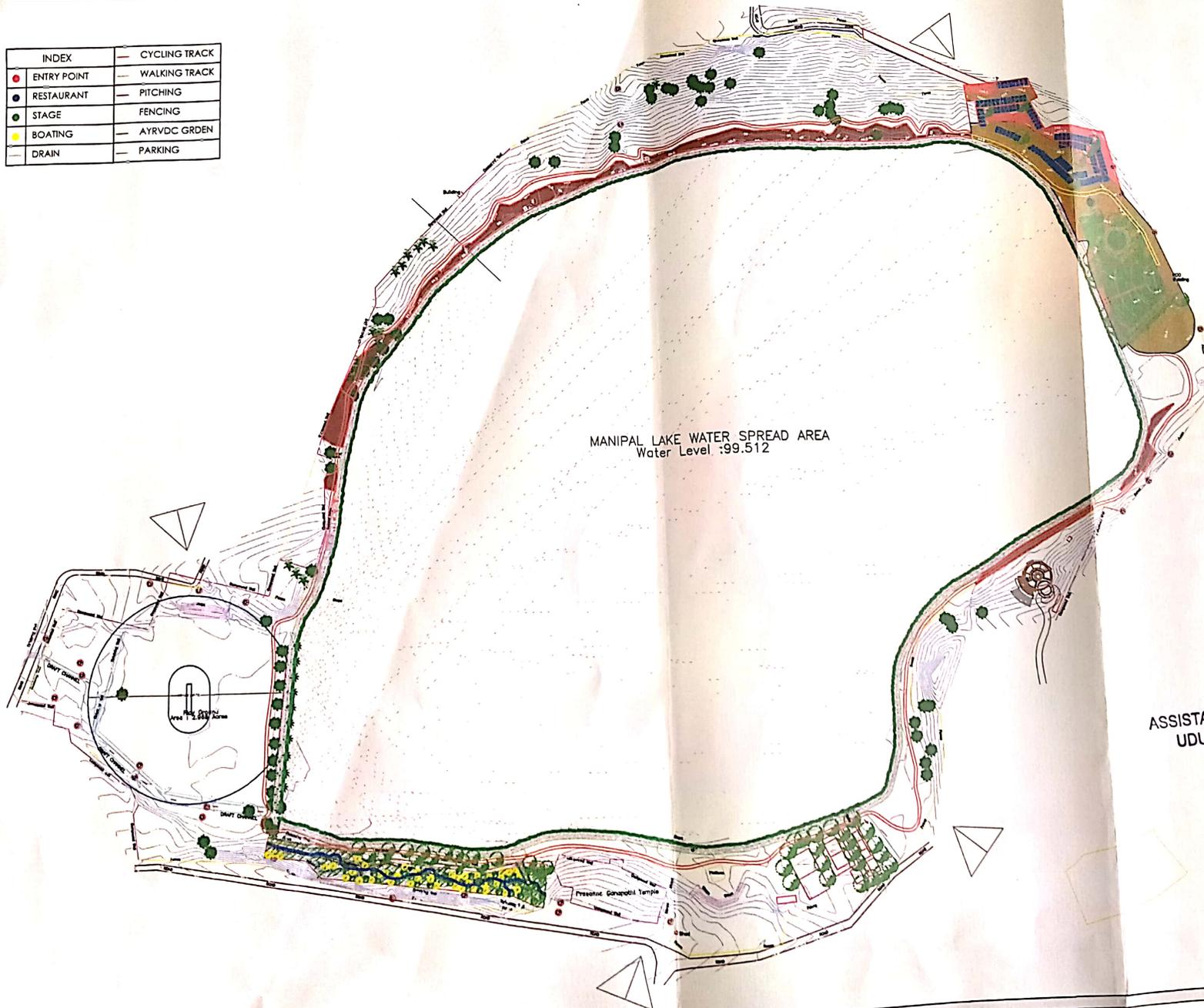
ESTIMATION

PHASE III					
1	Providng Restaurent	10000.00	Sqft	3000.00	3,00,00,000.00
2	Providng Gazebo	8000.00	Sqft	2000.00	1,60,00,000.00
3	Providng Deck	19000.00	Sqft	1000.00	1,90,00,000.00
4	Providng Resort	30.00	cotteg	2500000.00	7,50,00,000.00
5	Providing Floting restaurent	1.00	Unit	50000000.00	5,00,00,000.00
(Rupees Ninteen hundred lakhs Only)		Total		Rs.	190000000.00


 DIVAKARA P
 ASSISTANT PROJECT MANAGER
 UDUPI NIRMITHI KENDRA


 ARUN KUMAR
 PROJECT DIRECTOR
 UDUPI NIRMITHI KENDRA

INDEX	
●	ENTRY POINT
●	RESTAURANT
●	STAGE
●	BOATING
—	DRAIN
—	CYCLING TRACK
—	WALKING TRACK
—	PITCHING
—	FENCING
—	AYRVDC GRDEN
—	PARKING



MANIPAL LAKE WATER SPREAD AREA
Water Level :99.512

Divakara P
DIVAKARA P
ASSISTANT PROJECT MANAGER
UDUPI NIRMITHI KENDRA

Arun Kumar
ARUN KUMAR
PROJECT DIRECTOR
UDUPI NIRMITHI KENDRA



DATE:03.11.2011

Annexure D



GPS Map Camera



Google

Manipal, Karnataka, India 

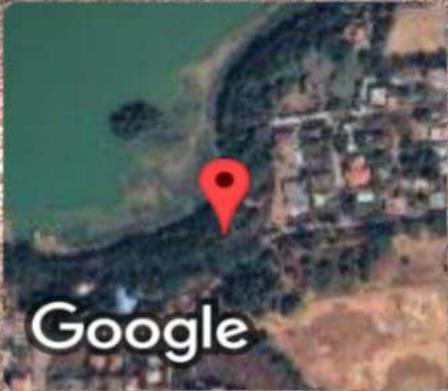
Bhaskar, Hig#9, Road, Near Prasanna Ganapathi Temple,
Hudco Colony, Ananth Nagar, Manipal, Karnataka 576104,
India

Lat 13.3402° Long 74.784359°

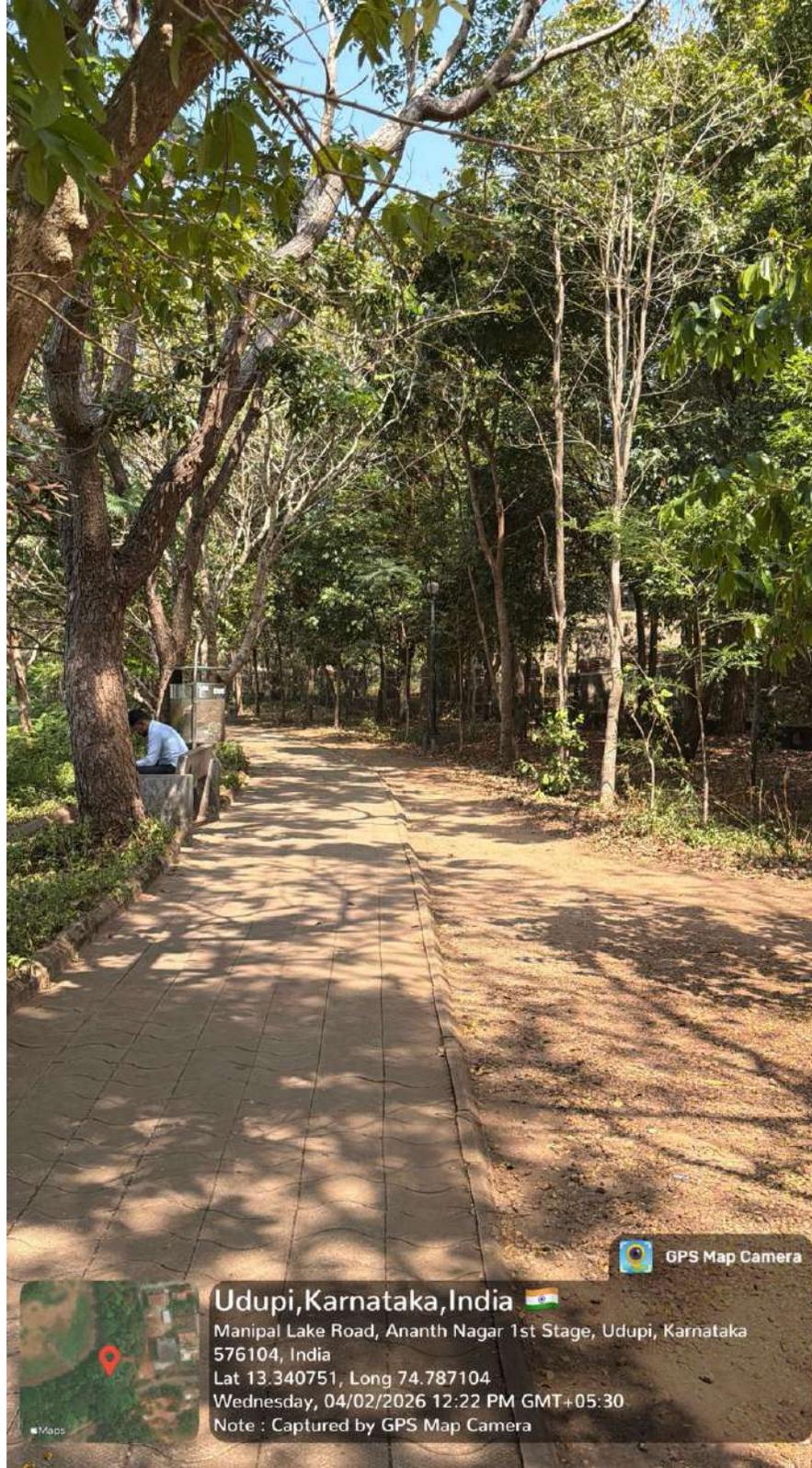
Wednesday, 04/02/2026 11:39 AM GMT +05:30



 GPS Map Camera



Manipal, Karnataka, India 
8qqp+xhv, Hudco Colony, Ananth Nagar,
Manipal, Karnataka 576104, India
Lat 13.34085° Long 74.787083°
Wednesday, 04/02/2026 09:19 AM GMT +05:30



GPS Map Camera



Udupi, Karnataka, India 
Manipal Lake Road, Ananth Nagar 1st Stage, Udupi, Karnataka
576104, India
Lat 13.340751, Long 74.787104
Wednesday, 04/02/2026 12:22 PM GMT+05:30
Note : Captured by GPS Map Camera



 GPS Map Camera

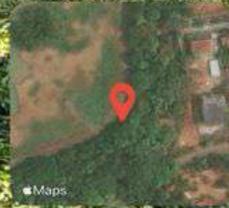
Udupi, Karnataka, India 

Manipal Lake Road, Ananth Nagar 1st Stage, Udupi, Karnataka
576104, India

Lat 13.340901, Long 74.786974

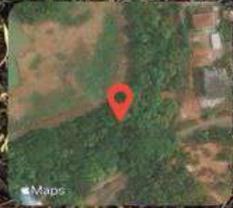
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Note : Captured by GPS Map Camera





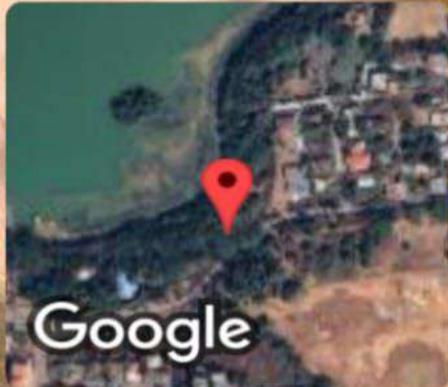
 GPS Map Camera



Udupi, Karnataka, India 
Manipal Lake Road, Ananth Nagar 1st Stage, Udupi, Karnataka
576104, India
Lat 13.340714, Long 74.786951
Wednesday, 04/02/2026 12:29 PM GMT+05:30
Note : Captured by GPS Map Camera



 GPS Map Camera



Manipal, Karnataka, India 
1 Hudco Colony, Near Ganapathi Temple, Hudco Colony,
Ananth Nagar, Manipal, Karnataka 576104, India
Lat 13.340737° Long 74.7871°
Wednesday, 04/02/2026 09:18 AM GMT +05:30