

BEFORE THE NATIONAL GREEN TRIBUNAL

SOUTHERN ZONE, CHENNAI

Original Application No. 03 of 2021

IN THE MATTER OF:

Tribunal on its own motion SUO MOTU

Based on the News Item in the Hindu Newspaper

Edition Dt. 06.2.2020, "**Lake Encroachment**

In full swing at Mazid Banda"

-Vs-

Union of India and Ors

...Respondent(s)

REPORT OF THE 3RD RESPONDENT – IRRIGATION DEPARTMENT

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Place: Chennai

Date: 05.08.2024

Mrs. H. Yasmeen Ali,
Counsel for the 3rd Respondent.

**DETAILED REPORT ON RESTORATION OF NATURAL STREAM SITUATED AT
MASID BANDA, KONDAPUR VILLAGE, SERILINGAMPALLY (M), RANGA
REDDY DISTRICT.**

Sub: - Hon'ble NGT orders in O.A. No. 03/2021 - Mazid Banda Lake, Kondapur (V), Serilingampally (M), R.R. District – Detailed report on restoration of surplus course nala submitted - Reg.

Ref: Hon'ble NGT, South Zone, Chennai Orders Dt. 15.07.2024 in OA No. 03 of 2021.

* * * * *

It is humbly submitted that I Sri A.Narayana, Executive Engineer, North Tanks Division, Irrigation Department looking after the lakes in GHMC jurisdiction and filling this report on behalf of respondent No. 3 & 4. It is humbly submitted that the Hon'ble NGT passed orders on Dt. 15.07.2024 by directing the respondents to furnish the nala alignment plan, estimate and time frame for constructing and restoring the original nala at subject lands.

In this regard, it is humbly submitted that the surplus course nala is originating at outlet of upstream tank Kudi kunta and passing through the colonies of Kondapur, Masidbanda & Lingampally villages and finally joins into downstream tank Gopi cheruvu. As per the Survey of India (SOI) topo sheet the above surplus course nala / stream is passing through the subject lands of Masid banda village.

Further it is humbly submitted that a survey conducted by the undersigned along with the field staff all along the nala alignment from Kudi Kunta to Gopi cheruvu. As per the said survey, it is observed that the above nala is travelling to a length of 2100.00meters which carries both surplus discharge of Kudi kunta and rain fed water from the catchment. Further it is to submit that most the above nala was channelized with RCC / CRS box drains and also functioning smoothly except the subject lands (from Ch: 700.0m to Ch:1400.00m) in Sy. Nos. 119 to 156 of Masid banda village which is obstructed on account of roads and housing which changed the contours and the original Kacha nala formed naturally is no longer able to drain the surplus discharge of upstream tank Kudi Kunta. The photographs of existing nala is enclosed herewith for kind perusal. Therefore, it is essential to restore the nala by removing all

**EXECUTIVE ENGINEER
IRRIGATION & CAD DEPARTMENT
NORTH TANKS DIVISION
HYDERABAD**

the dumped debris in the nala alignment as per SOI topo sheet mentioned in sketch plan and also permanently channelize the nala with RCC box drain to a size of 3.0m x 2.0m section for smooth discharge of surplus / flood water without any obstructions.

Further it is humbly submitted that as per the directions of the Hon'ble NGT, a plan is prepared duly showing the existing nala alignment from Kudi Kunta to Gopi cheruvu and also showing the obstructed 700m length of nala portion (from Ch: 700.0m to Ch 1400.0m) at subject lands of Masid Banda village here marked in red colour which needs to be restore and channelize with permanent RCC box drain to a size of 3.0m x 2.0m section upto to the existing nala at Masid banda road for smooth function of flood discharge duly maintain the 2.0m wide buffer zones on either side as per G.O.Ms.No.168 of MA&UD Dt.07.04.2012.

Accordingly, an estimate is prepared for restoration of original nala as per the present contours and also for construction of RCC box drain at obstructed portion of Masidbanda village (700m length) is worked out to an amount of Rs:1,98,00,000/-. Further it is to submit that the construction of storm water drain work will be commenced and completed within 3months time after obtaining necessary sanctions from the Commissioner/standing committee, GHMC. We will submit the proposals for sanction within 15 days from the date of the order of this hon'ble Tribunal. Further it is to submit that once the channelization of storm water drain is completed, the flood and rain water will be disposed safely without out inundation at subject lands and also meet the ecological requirements to preserve the downstream waterbody Gopi Cheruvu.

In view of the above said facts and circumstances as per the records and on ground conditions, the proposed reinforcement & channeling by way of construction of storm water RCC box drain of the obstructed nala portion (700.0mlength) as part of its restoration plan is submitted herewith for kind perusal.

It is therefore prayed that the suitable orders may be passed for implementation of the restoration proposals of natural stream in the subject lands.

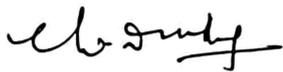

Executive Engineer
North Tanks Division, Hyd
Irrigation & CAD Department


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IRRIGATION & CAD DEPARTMENT
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ABSTRACT

Construction of RCC Box drain at Kudi Kunta, surplus Nala at Masidbanda (V), SLP (M)

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
1	Earth work in excavation in all kinds of soils of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Depth upto 3 m IRR-CCDW-1-2	7560.00	cum	135.59	10,25,060.00
2	Providing and laying insitu vibrated M-15 (28 days cube compressive strength not less than 15 N /sq mm) grade cement concrete using 40 mm down size approved, clean, hard, graded aggregates for foundation filling including cost of all materials, machinery, labour, formwork, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing etc., complete with initial lead upto 50 m and all lifts. (Cement content: 260 kg / cum with use of super plasticiser(0.4% by wt. of cement), CA : 0.90cum, Blending Ratio of CA--50:30:20, FA : 0.40 cum) IRR-CCDW-2-3	162.00	cum	5475.00	8,86,950.00
3	Providing and laying insitu vibrated M-20 (28 days cube compressive strength not less than 20 N / sq mm) grade cement concrete using 20 mm down size approved, clean, hard, graded aggregates for sub-structure / super- structure works including cost of all materials, machinery, labour, formwork, scaffolding, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing etc., complete with initial lead upto 50 m and all lifts. (Cement content: 330 kg / cum with use of super plasticiser(0.4% by wt. of cement), CA : 0.80cum, Blending Ratio of CA--65:35, FA : 0.45 cum) – IRR-CCDW-2-10	1528.20	cum	8757.78	1,33,83,639.00
4	Providing, fabricating and placing in position reinforcement steel for RCC, below 36 dia rods overlaps and wastages wherever required, tying with 1.25 mm diameter soft annealed steel wire, including cost of all materials, machinery, labour etc., complete with initial lead upto 1 km and all lifts.	91.69	tonne	6080.00	5,57,487.00
5	Manufacture as per BIS : 12592 (part 1 & 2) supply and deliver of manhole covers and frames with ISI marking anywhere in A.P ., F.O.R.destination including ,loading ,unloading, & stacking at site but excluding central excise duty ,sales tax ,actroi and other Govt levies etc.,as applicable.	4.00	Nos	3307.33	13,229.00
	Part A ECV Rs.				15866365.00
	Add: QC charges @ 0.65%				103131.00
	Add: NAC @ 0.1%				15866.00
	Add: Labour Cess @ 1%				158664.00
	Add: Seigniorage charges				197525.30
	Add: SMET & DMFT @ 32% on Seigniorage charges				63208.00
	Add: Permit Fee @ 0.8 on Seigniorage charges				158020.00
	Sub Total:				16562779.30
	Add: GST @ 18%				2981300.00
	Unforeseen works				255921.00
	Grand Total				19800000.30



Assistant Executive Engineer

Dy Exe Engineer



Executive Engineer
North Tanks Division, Hyd.

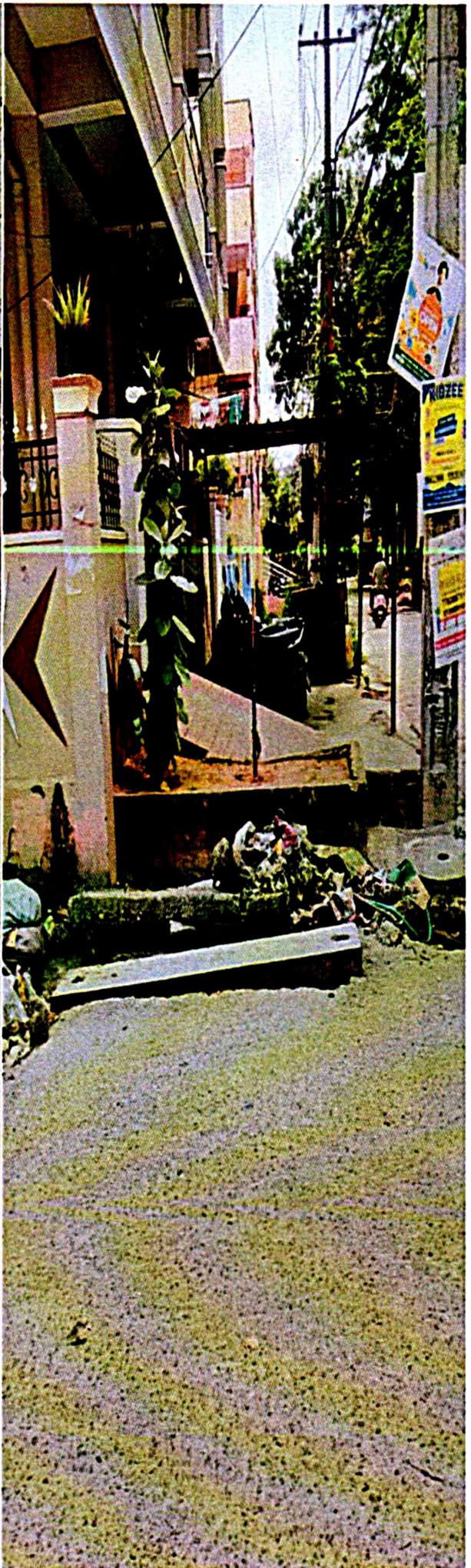
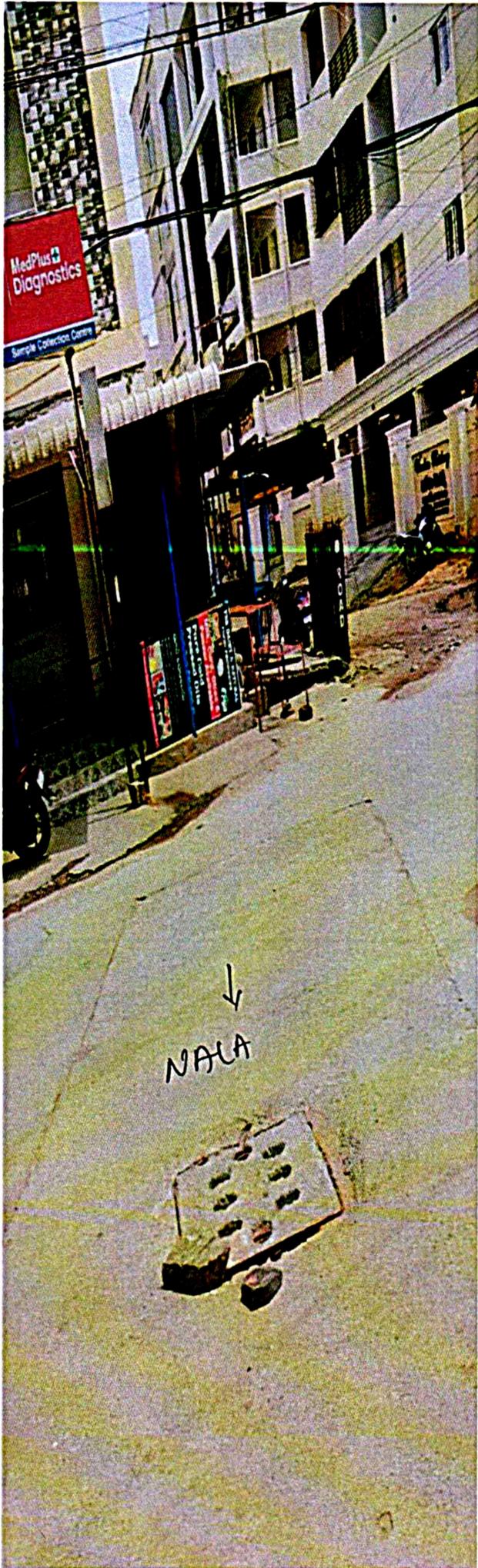
Construction of RCC Box drain at Kudi Kunta, surplus Nala at Masidbanda (V) , SLP (M)							
Detailed Estimate – Sewer Box Drain							
S.No.	Specifications	No	L	B	D	Quantity	Unit
1	Earth work in excavation in all kinds of soils of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. Depth upto 3 m IRR-CCDW-1-2						
	Drain	1X1	360	3.00	3.00	3240.00	
	Removal of drain	1X1	360	4.00	3.00	4320.00	
						7560.00	cum
2	Providing and laying insitu vibrated M-15 (28 days cube compressive strength not less than 15 N /sq mm) grade cement concrete using 40 mm down size approved, clean, hard, graded aggregates for foundation filling including cost of all materials, machinery, labour, formwork, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing etc., complete with initial lead upto 50 m and all lifts. (Cement content: 260 kg / cum with use of super plasticiser(0.4% by wt. of cement), CA : 0.90cum, Blending Ratio of CA--50:30:20, FA : 0.40 cum) IRR-CCDW-2-3						
	RCC below drain	1X1	360	3.00	0.15	162.00	
						162.00	cum
3	Providing and laying insitu vibrated M-20 (28 days cube compressive strength not less than 20 N / sq mm) grade cement concrete using 20 mm down size approved, clean, hard, graded aggregates for sub-structure / super- structure works including cost of all materials, machinery, labour, formwork, scaffolding, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing etc., complete with initial lead upto 50 m and all lifts. (Cement content: 330 kg / cum with use of super plasticiser(0.4% by wt. of cement), CA : 0.80cum, Blending Ratio of CA--65:35, FA : 0.45 cum) – IRR-CCDW-2-10						
	Drain raft	1X1	360	3.30	0.450	534.60	
	walls	1X2	360	0.30	2.000	432.00	
	slab	1X1	360	2.600	0.30	561.60	
						1528.20	cum
4	Providing, fabricating and placing in position reinforcement steel for RCC,below 36 dia rods overlaps and wastages wherever required, tying with 1.25 mm diameter soft annealed steel wire, including cost of all materials, machinery, labour etc., complete with initial lead upto 1 km and all lifts. Item no-IRR-DAW-2-1A, SI no-16, Pg no-2						
			concrete (Cum)	Steel (Wt/Cum)			
			1528.20	60.00	kg/cum	91692.00	
						91.69	tonne
5	Manufacture as per BIS : 12592 (part 1 & 2) supply and deliver of manhole covers and frames with ISI marking anywhere in A.P ., F.O.R.destination including ,loading ,unloading,& stacking at site but excluding central excise duty ,sales tax ,actroi and other Govt levies etc.,as applicable.						
	Manhole covers		360	90			4
							4 Nos

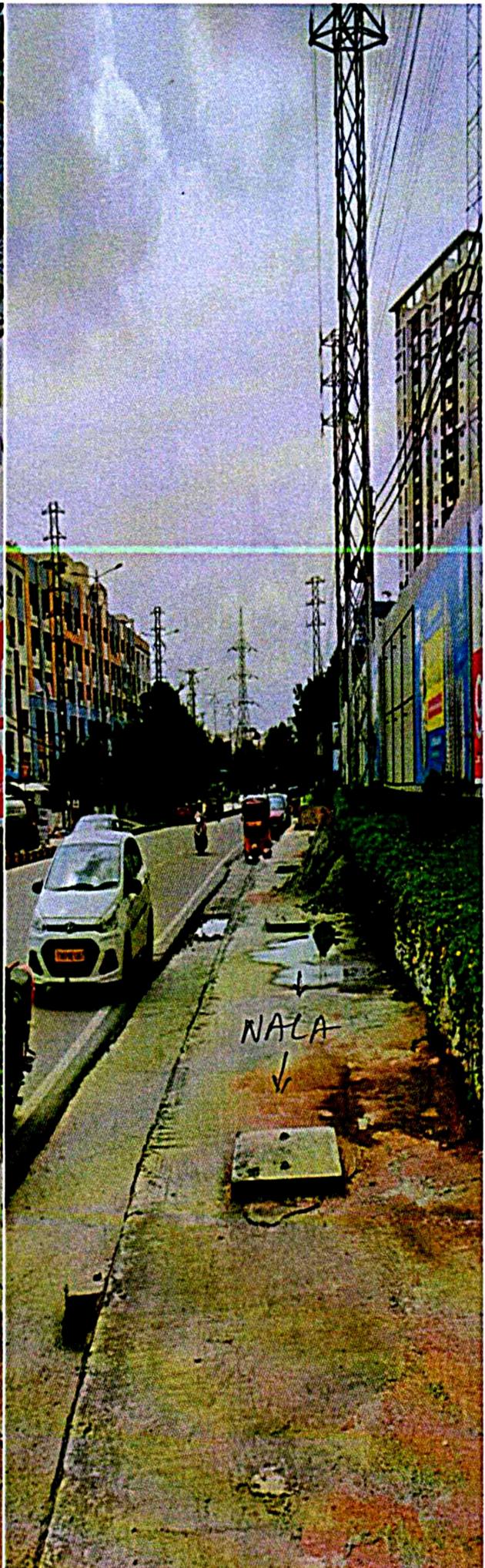

Asst Executive Engineer

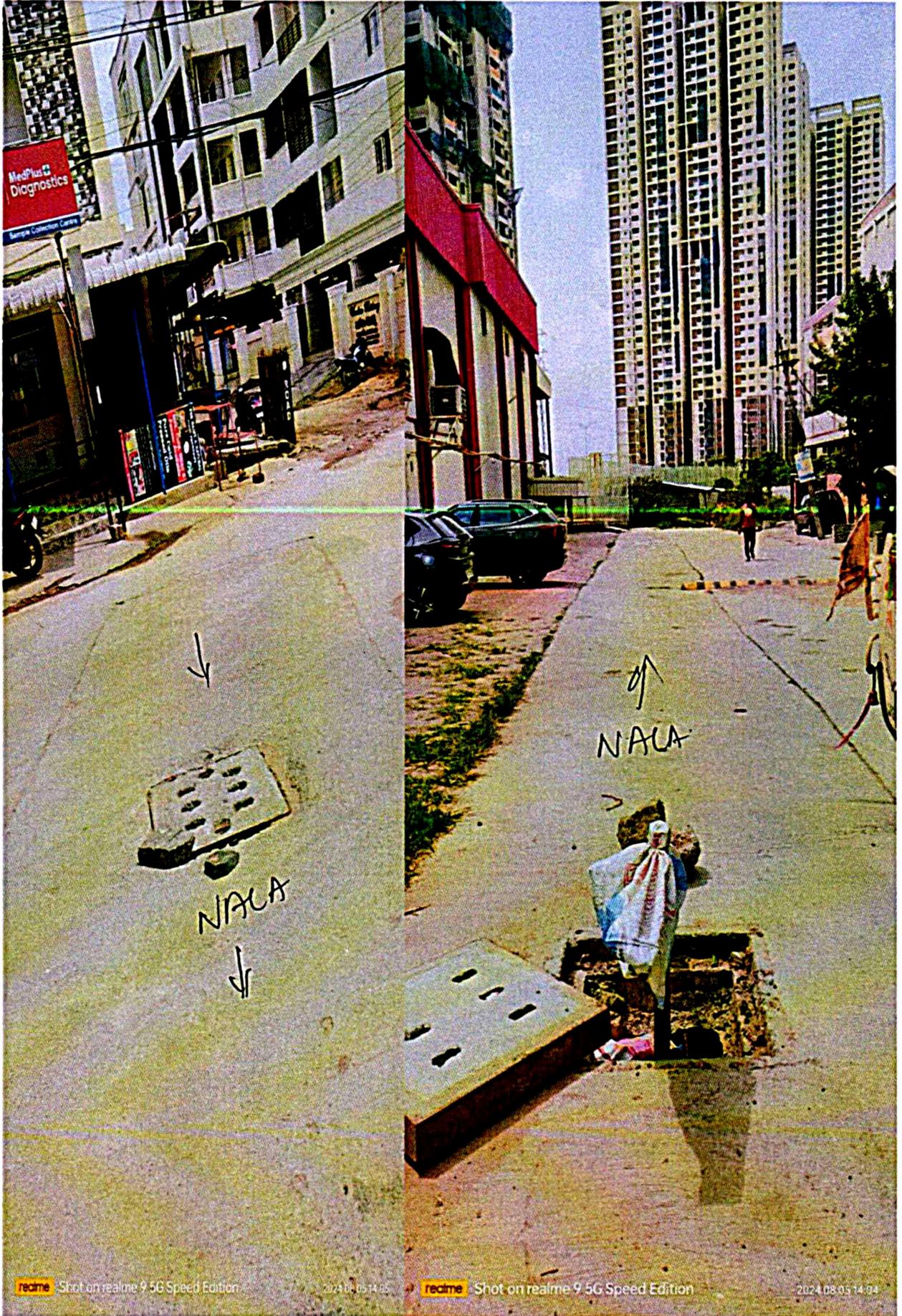
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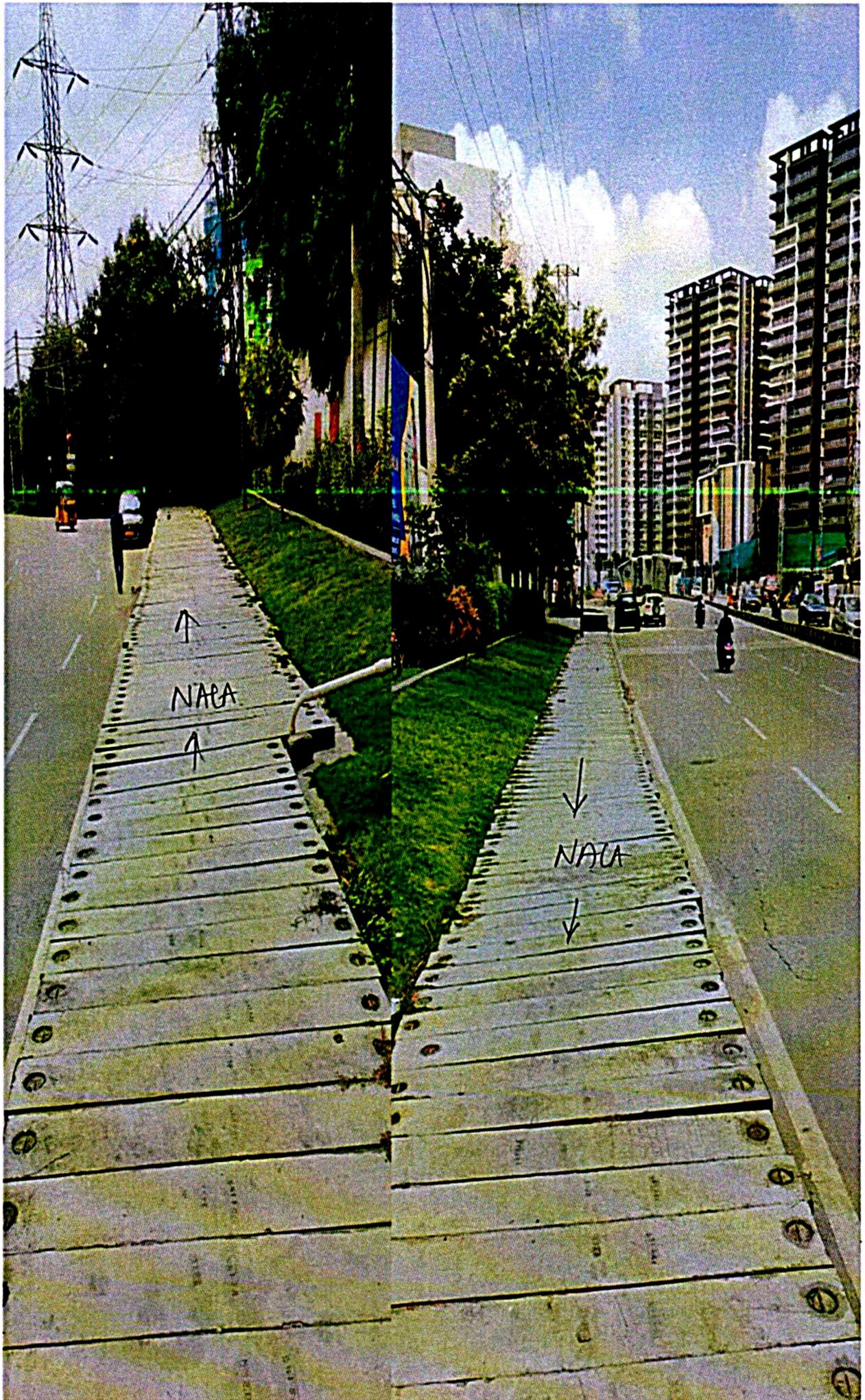

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North Tanks Division, Hyd.

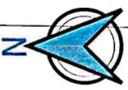












LOCATION SKETCH SHOWING THE ALIGNMENT OF THE NALA FROM KUDIKUNTA TO GOPI-CHERUVU AT MAZID-BANDA(V), SERILINGAMPALLI(M), RANGAREDDY(D).



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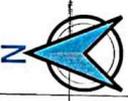
-  Existing Nala / Box Drain
-  Proposed Nala / Box Drain as per SOI Topo sheet 700Mtr(Missing Link)
-  Gopi Cheruvu
-  Kudikunta-Cheruvu

Base Map

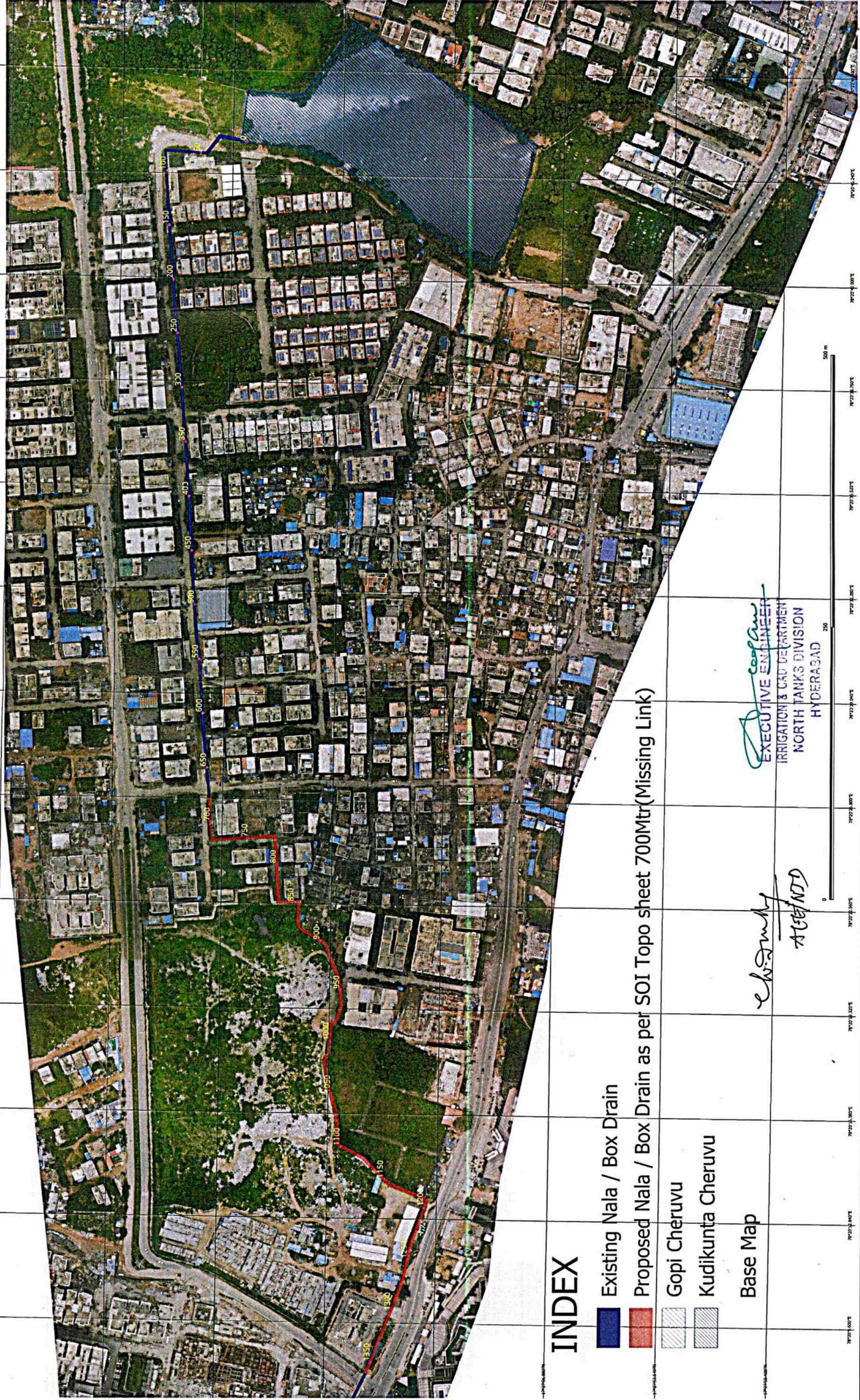
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NORTH-TANKS-DIVISION
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LOCATION SKETCH SHOWING THE ALIGNMENT OF THE NALA FROM KUDIKUNTA TO SUBJECTED LAND AT MAZID BANDA(V), SERILINGAMPALLI(M), RANGAREDDY(D).



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Base Map

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A/G/ND

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