

## FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA

(Govt. of Maharashtra Enterprise)
CIN: U45200MH1974SGC017206

## OFFICE OF THE DIVISIONAL MANAGER

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No. FDCM/DM/GP/WRC/2021-22/71,

Nagpur, Dt.20/04/2022

To,

Member Secretary
Central Zoo Authority,
B-1 Wing, 6th Floor,
Pt. Deendayal Antyodaya Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110003
E-Mail: cza@nic.in

Subject:

Submission of Annual Report of 2021-2022 to the Central Zoo Authority, New Delhi of Rescue Centre at Gorewada project, Nagpur - Regarding.

It is to inform you that we are hereby submitting Annual Report 2021-22 of Wildlife Rescue Centre, Gorewada Project, Nagpur for necessary action.

Encl.: Annual Report 2021-22.

(H.V. Madbhushi) Divisional Manager Gorewada Project, Nagpur

Copy to: The Chief Wildlife Warden and Principal Chief Conservator of Forest (WL), Maharashtra State, Nagpur for information.

Copy to: The Managing Director, Forest Development Corporation of Maharashtra Ltd., Nagpur for information.

Copy to: The Chief General Manager, Medicinal Plants Board, Forest Development Corporation of Maharashtra Ltd., Nagpur for information.

Copy to: The General Manager, WFP & Afforestation Region, Forest Development Corporation of Maharashtra Ltd., Nagpur for information.

Copy to: Member Secretary, Maharashtra State zoo Authority civil lines, Nagpur for information.

(H.V. Madbhushi) Divisional Manager Gorewada Project, Nagpur

# WILDLIFE RESCUE CENTRE, GOREWADA PROJECT, NAGPUR

# Annual Report for the Year 2021-22



1. Report of the Officer-in-charge: Wild life Rescue Centre Gorewada Nagpur is the only rescue centre in India. Which has tie up with Maharashtra Animal Husbandry and Fisheries University for veterinary care of Animals and wild life research and training centre.

The University appointed 3 subject specialist at rescue Centre, for full time works.

Following Surgical Instruments are purchased for the treatment, research and handling of the Wild Animals as molecular kit, Snake Rescue kit, Branded License free two way radio system, supply and installation of real time PCR for Wildlife Research and training centre, supply and installation of thermal cycler PCR for WRTC, supply and installation of gel documentation system for WRTC, Micro centrifuge high speed table top refrigerated centrifuged for WRTC, Biosafety cabinet Class II, Type B2' for WRTC Olymphus Binocular 10x50s, Display board of purchase of administrative building and WRTC, CCTV and Radiography cage for WRTC, are installed at Hospital for observation, study and research and for control of the wild animal kept in the kraal of the Rescue Centre. The habitat enrichment works are done in kraal area.

Inadequate financial powers is a limiting issue for Officer in Charge of the Rescue Centre, Gorewada.

History of the Rescue Centre: In the year 2005, Government of Maharashtra had taken a decision, in principle, to set up an International Standard zoo and Bio Park at Gorewada (Nagpur, Maharashtra) on 1914 ha. of forest land vide its resolution (G.R) No. WLP-1099/C.R.89/F-1 dated 12 Dec 2005. Principal Chief Conservator of forest (wildlife), Maharashtra State, Nagpur had submitted a proposal to establish a zoo and rescue centre vide PCCF (WL) M.S. Nagpur's letter no. Desk 22 (6)/Plan/1044/2009-20 dated 03.02.2010. Accordingly a detailed project report (DPR) was prepared by M/S Bernard Harrison & Friends Ltd and revised by Forest Development Corporation of Maharashtra (FDCM) Ltd, Nagpur. The DPR was submitted to Central Zoo Authority (CZA) for scrutiny and its approval. The DPR along with Master Layout Plan was examined by expert group on zoo design of CZA. Later on the proposal was examined by the technical committee of CZA, the meeting of which was held on 22 March 2013.

The Government of Maharashtra obtained the approval of Hon'ble Supreme Court to establish a new zoo and rescue centre at Gorewada.

- 3. <u>Vision:</u> A journey through the forests with animals and birds is compliment to conservation, education, awareness and recreation. The proposed Zoo of international standards will be integrated attractions which will house various animal species in innovatively created areas thus attempting to establish one of its kinds Zoo thereby making the sightseer's visit a lifetime experience. This zoo will be a showcase of nature for the visitors.
- 4. <u>Mission:</u> The Park will volunteer natural conservation, scientific research, and public education of the floral and faunal species of great importance of Gondwana land. The place will conduct enlightening activities for the visitors to bring betterment in their outlook towards animals. The Gorewada Zoo will be a combination of entertainment, education and science of zoos, aquariums, botanical gardens, etc. all put at one place.
- 5. Objective: A professionally run zoological park serves a variety of roles to benefit both the animals, its houses and the visiting public. Carefully planned breeding programmes can help propagate endangered species and continue gene pools for species whose habitats have been obliterated. Pure as well as applied research on animals in captivity can benefit not only the animals in the zoos but also in the wild. Educational programmes can help foster the respect that wild animals deserve and familiarize the visitors with the important role these

animals play in the ecosystem. Large scale habitat destruction has resulted in the extinction of many species. Zoos may have to serve as the last bastion for threatened and endangered species.

The zoo shall work for the conservation of the rich bio-diversity of the state to the following objectives:

- To promote wildlife conservation (Scientific breeding of endangered species and releasing them into wild).
- Care and rehabilitation of injured, sick and orphan wild animals.
- To collect and collate the scientific data on the biology, behaviour and health care of various species of wild animals housed in the zoo and use the same in future management of the zoo.
- To assist in conservation of the in-situ population of various species of endangered animals and their habitat by sensitizing the people.

#### 6. About us:

Sr. No.	Particulars	Information
Basic	Information about the Rescue Centre	
1	Name of the Rescue Centre	Wildlife Rescue Centre, Gorewada Project, Nagpur
2	Year of Establishment	2015
3	Address of the Rescue Centre	Near Hindustan Lever Godown square
4	State	Fetri, Mahurzari Road, Nagpur-44150
5	Telephone Number	0712-2667477
6	Fax Number	
7	E-mail Address	dmaarayyada @am - '1
8	Website	dmgorewada@gmail.com www.fdcm.nic.in
9	Distance from nearest	
		Airport: 25 km.
		Railway Station: 11 km
10	Recognition Valid upto (Date)	Bus Stand: 2 km 19/08/2022.
11	Area (in Hectares)	19/08/2022. 25 Ha.
Manas	gement Personnel of the Rescue Centre	23 Ha.
12	Name with designation of the Officer-in-	CL ' H V No W
	charge	Shri. H.V. Madbhushi,
		Divisional Manager, Gorewada
	Name of the Veterinary Officer	Project, Nagpur
	Thank of the vetermary officer	Dr.Shalini. A.S
		Dr. M.D. Pawshe
	Name of the Curator	Dr. S.M. Kolangath
	Name of the Range forest Officer	H.V. Madbhushi
	Name of the Compounder / Lab Assistant	Nilay Bhoge
)wner	/ Operator of the Rescue Centre	-
13	*Name of the Operator	
		Forest Development Corporation of Maharashtra Ltd. Nagpur
14	Address of the Operator	Wildlife Rescue Centre, Gorewada, Near Hindustan Lever Godown Square,

#### CONTENTS

Sr. No.	Section	Page Number
1	Report of the Officer-in-charge	
2	History of the Rescue Centre	
3	Vision	
4	Mission	
5	Objective	The state of the s
6	About us	
7	Organization Chart	
8	Human Resources for management of Rescue Centre	
9	Capacity Building of Rescue Centre Personnel	
10	Rescue Centre Advisory Committee	
11	Health Advisory Committee	
12	Statement of Income and Expenditure of the Rescue Centre	
13	Daily Feed Schedule of Animals	
14	Vaccination Schedule of Animals	
15	De-worming Schedule of Animals	
16	Disinfection Schedule	
17	Health Check-up of Employees for Zoonotic diseases	
18	Development Works carried out in the Rescue Centre during the Year	
19	Important Events and happenings	
20	Seasonal special arrangements for upkeep of animals	
21	Research Work carried out and publications	
22	Rescue and Rehabilitation of the Wild Animals	
23	Annual Inventory of Animals	
24	Mortality of Animals.	
25	Status of the Compliance with conditions stipulated by the Central Zoo Authority.	

15	Contact details / Phone Number of Operator	Fetri, Mahurzari Road, Nagpur-441501 0712-2667477
16	E-mail address of Operator	dmgorewada@gmail.com

\*Rule 2(m) of the Recognition of Zoo Rules, 2009.

"Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that

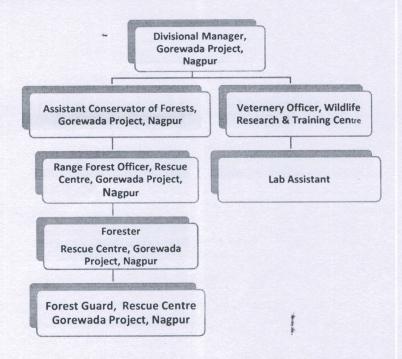
X. In the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

XI. In the case of a company any director, manager, secretary or other contents.

In the case of a company, any director, manager, secretary or other officer who is incharge of and responsible to the company for the affairs of the zoo; or

XII. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

#### 7. Organizational Chart of the Rescue Centre:



#### 8. Human Resources deployment for management of Rescue Centre (Officer-incharge to Animal Keeper - Sanctioned posts, in-position and vacant posts):

#### Human Resources of the Rescue Centre\*

Sr. No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Divisional Manager	1	Shri. H.V. Madbhushi
2	Assistant Conservator of Forest	1	Shri. H.V. Madbhushi
3	Veterinary Officer	3	Dr. Shalini. A.S Dr. M.D. Pawshe Dr. S.M. Kolangath
4	Range Forest Officer	1	Shri Nilay Bhoge
5	Forester	1	Shri. R.D.Walthare Shri. M.A.Shelke
6	Forest Guards	3	Shri. D.S.Dhurvey Sau. P.C. Pathrabe
7.	Forest Labours (Permanent)	3	Shri. Gendlal Shende Shri. Dashrath Uikey

<sup>\*</sup> Please give above mentioned information in respect of all Rescue Centre Personnel, from the Officer-in-charge upto the Animal Keeper.

#### 9. Capacity Building of Rescue Centre Personnel:

Sr. No.	Name and Designation of the Rescue Centre Personnel	Subject matter of training	Period of Training	Name of the Institution where the Training attended
		Nil		

#### 10. Rescue Centre Advisory Committee :

j. Date of Constitution:

k. Members:

l. Dates on which Meetings held during the year:

#### 11. Health Advisory Committee of the Rescue Centre :

j. Date of Constitution:

k. Members:

l. Dates on which Meetings held during the year:

### 12. Statement of income and expenditure of the Rescue Centre: (Rs.In Lacs)

<u>Items</u>	Income (Sanction Grant)	Expenditure
Feed for Wild Animals	83.81	59.79
Rescue Centre Expenditure	179.96	173.78
Total	263.77	233.57

#### 13. Daily feed schedule of animals:

Sr. No.	Species	Feed Item	Quant	ity (kg)	Day of
			Winter	Summer	Fasting
1	Bengal Tiger	Buffalo Beef	7-10	6-8	Sunday
2	Leopard	Buffalo Beef	3.5-4	3-4	Sunday
3	Black Buck	Green Grass, Concentrate Vegetable	Green grass-3 kg Dry fodder-1 kg Vegetables-500 gms Leafy vegetables-100 gms Concentrate mixture-300 gms	Green grass- 3 kg Vegetables- 500 gms Leafy vegetables- 100 gms Concentrate mixture- 300 gms	NIL
4	Bear Sloth	Seasonable Fruits, Eggs, Fish, Honey	Papaya- 500gms Banana-500	Papaya- 500gms Banana-500	NIL

			gms Seasonal fruits- 500 gms Jiggery/ Honey- 500 gms Eggs- 2 no. Fish- 500 mgs once a week Bread-500 gms	gms Seasonal fruits- 500 gms Jiggery/ Honey- 500 gms Eggs- 2 no. Fish- 500 mgs once a week Bread-500 gms	
5	Macaque Rhesus	Seasonable fruits, vegetables, Bread	Seasonable Fruits & vegetables- 500 gms Bread-200 mgs Groundnut- 100 gms Roasted gram-50 gms	Seasonable Fruits & vegetables- 500 gms Bread-200 mgs Groundnut- 100 gms Roasted gram-50 gms	NIL
6	Common Lungur	Seasonable fruits	Seasonable Fruits & vegetables- 500 gms Bread-400 mgs Groundnut- 100 gms Roasted gram-50	Seasonable Fruits & vegetables- 500 gms Bread-400 mgs Groundnut- 100 gms Roasted gram-50 gms	NIL
7	Blue bull	Green Grass, Concentrate Vegetable	gms Green grass- 6-10 kg Dry fodder- 3 kg Vegetables- 1 kg Concentrate Mixture-1.5 kg	Green grass- 6-10 kg Dry fodder- 3 kg Vegetables- 1 kg Concentrate Mixture-1.5 kg	NIL
8	Spotted Deer (Chital)	Green Grass, Concentrate Vegetable	Green grass- 3-5 kg Dry fodder- 1-2 kg Vegetables- 0.5 kg	Green grass- 3-5 kg Dry fodder- 1-2 kg Vegetables- 0.5 kg	NIL

		44	Concentrate Mixture-0.5 kg	Concentrate Mixture-0.5 kg	
9	Jackal	Buffalo Beef Kheema	Buffalo Beef Kheema-500 gms	Buffalo Beef Kheema-500 gms	NIL
10	Eurocian Eagle Owl	Buffalo Beef Kheema	Buffalo Beef Kheema-200 gms	Buffalo Beef Kheema-200 gms	NIL
11	Black Kite	Buffalo Beef Kheema	Buffalo Beef Kheema-200 gms	Buffalo Beef Kheema-200 gms	NIL
12	Pheasant Reeves	Leafy vegetable	Leafy vegetable- 100 to 200 gms, Concentrate mixture- 50 to 100 gms	Leafy vegetable- 100 to 200 gms, Concentrate mixture- 50 to 100 gms	NIL
13	Rose Ringed Parakeet	Tomato, green chilly, , Guava,	50 to 75 gm	50 to 75 gm	Nil

#### 14. Vaccination Schedule of Animals :

Sr. No.	Species	Disease Vaccinated for	Name of the Vaccine and dosage / quantity used	Periodicity	Remarks
	Bengal Tiger		Felocell 3,		
	Leopard .		Rabies, Feline		
			Pan, Feline		
			Calc feline		
			Rhinotracheitis		
	Black Buck		-		
	Bear Sloth		Rabies		
5	Macaque Rhesus		-		
6	Common Lungur		-		
	Blue bull				
	Spotted Deer (Chital)		-		
	Jackal				
	Eurocian Eagle Owl				
	Black Kite				
	Pheasant Reeves		-		

Rose Ringed Parakeet	-	

#### 15. De-worming Schedule of animals:

Sr. No.	Species	Drug used	Month
1	Bengal Tiger	Praziquantel, Pyrantel pamoate & Fenbendazole	January-22
2	Leopard	Praziquantel, Pyrantel pamoate & Fenbendazole	January-22
3	Black Buck	Mebendazole	January-22
4	Bear Sloth	Mebendazole	January-22
5	Macaque Rhesus	Mebendazole	January-22
6	Common Lungur	Mebendazole	January-22
7	Blue bull	Mebendazole	January-22
8	Spotted Deer (Chital)	Mebendazole	January-22
9	Jackal	-	January-22
10	Eurocian Eagle Owl		January-22
11	Black Kite		January-22
12	Pheasant Reeves		January-22
13	Rose Ringed Parakeet		January-22

#### 16. Disinfection Schedule:

Sr. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Bengal Tiger		Liquid	Twice a week.
2	Leopard		Kohrsolin- TH /	
2	Black Buck		Liq. Vircon -S	
4.	Bear Sloth			
5	Macaque Rhesus		Used alternately.	
6	Common Lungur			
7	Blue bull			
8	Spotted Deer			
	(Chital)			
9	Jackal			
10	Eurocian Eagle			

	Owl		
11	Black Kite		
12	Pheasant		
	Reeves		
13	Rose Ringed		
	Parakeet		

#### 17. Health Check-up of employees for zoonotic diseases:

Sr. No.	Name	Designation	Date of Health Check up	Findings of Health Check		
1	Ku.A.H.Sontakke	Range Forest Officer	17/12/2021	Negative		
2	Shri. R.D.Walthare	Forester	17/12/2021	Negative		
3	Shri. M.A.Shelke	Forester	17/12/2021	Negative		
4	Shrimati. P.C. Pathrabe	Forest Guard	17/12/2021	Negative		
5	Shri. G.R Shende	Forest Labour	17/12/2021	Negative		
6	Shri D.J. Uike	Forest Labour	17/12/2021	Negative		
7	Shri Vikas Ramesh Malode	Labour	17/12/2021	Negative		
8 Shri M.M. Kalbande		Labour	17/12/2021	Negative		
9	Shri Manik Marskolhe	Labour	17/12/2021	Negative		

# 18. Development Works carried out in the Rescue Centre during the year: CCTV's were installed in Tiger Enclosure No.1, <u>Leopard I & IV</u>

19. Important Events and Happenings:

Sr. No.	Name	Speaker	Date	Attendance	National / International	Remark
1						
2	14.					

<sup>20.</sup> Seasonal special arrangements for upkeep of animals: Coolers and Heaters were provided., Green Net tied up in the kraal.

21. Research Work carried out and publications: Research work is in progress. Publication under consideration.

#### 22. Rescue and Rehabilitation of Wild Animals:

Sr. No.	Date of	Species	Received	Date of	Action	Гакеп
	Rescue	with number of animals rescued with their sex (M:F:U:T)	from	Submission of Report to the CWLW/CZA	Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
-	-	-	-	-		

#### 23. Annual Inventory of Animals:

Form-II [See rule 11(1)] Part-A

PROFORMA FOR ANNUAL INVENTORY OF ANIMALS: INVENTORY REPORT ABSTRACT APRIL 2021 TO MARCH 2022

#### **Endangered Species\***

Sr.No.	Animal Name	Scientific Name	Ор	ening S 01.04		on		Birth		A	cquisit	ion		Disposa	I		Death	1	(		Stock as 03.2022	on
Bird			М	F	U	T	М	F	U	M	F	U	M	F	U	M	F	Tu	M	TF	U	Т
1	Black Kite	Milvus migrans	0	0	4	4	-		-	-	-	-		-	-	-		-	0	0	4	4
Total Birds			0	0	4	4			-	-					-	-		1	0	0		
Mammals 1	Black Buck	Antelope cervicapra	0	0	0	0				1	1	0						-	1	0	4	4
2	Leopard	Panthera pardus	10	11	0	21				3	0	0							13		0	2
3	Bear Sloth	Melursus ursinus	2	2	0	4					-	-	i	1	0				13	11	0	24
4	Bengal Tiger	Panthera tigris	2	8	0	10	-			4	2	0	-	2	0	-	0	0	5	1	0	2
5	Common Langur	Semnopithecus entellus	3	4	0	7	-	-	-	-		-	2	1	0	0	1	0	1	2	0	3
6	Macaque Rhesus	Macaca mulatta	0	5	0	5						-	0	5	0				0	0	0	0
7	Jackal	Canis aureus	1	0	0	1										1	0	0	0	0	0	0
Total Mammal s			18	30	0	48	-	-	-	8	3	0	3	9	0	2	1	0	21	23	0	44
Reptile/ Amphibians			М	F	U	Т	М	F	U	М	F	U	М	F	U	М	F	U	M	F	U	Т
	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0					2	
Invertebrate	Nil		0	0	0	0	0	0		0							0	0	0	0	0	0
							U	0	0	U	0	0	, 0	0	0	0	0	0	0	0	0	0
Total	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Animals			18	30	4	52	0	0	0	8	3	0	3	9	0	2	1	0	21	23	4	48

<sup>\*</sup>Animals under Sch-I and II Of Wild Life (Protection) Act 1972.

<sup>\* 3</sup> Langur and 5 Rhesus macaque released in Nature on dated 01/10/2021 vide letter under reference CZA New Delhi's File No.7-8/2021- CZA(Part) Computer No.165005, Date: 09/09/2021.

<sup>\*2</sup> female tiger and 2 Sloth bear were shifted from Wildlife Rescue Centre, Gorewada to National Zoological Park, New Delhi on dated 02/10/2021 vide letter under reference CZA New Delhi's File No23-7/201(Part.I) - Computer No.141388, Date: 16/09/2021.

# Part B PROFORMA FOR ANNUAL INVENTORY OF ANIMALS: INVENTORY REPORT ABSTRACT (APRIL 2020 TO MARCH 2021) WILDLIFE RESCUE CENTRE, GOREWADA PROJECT, NAGPUR

Other than Endangered Species\*

Sr.No.	Animal Name	Scientific Name	O	pening 01.04	n			Birth	S	A	Acquisition		[	Dispo	sal	Death			Closing Stock as on 31.03.2022			
D: 11	D DI		M	F	U	T	M	F	U	M	F	U	М	F	U	M	F	U	M	F	U	Т
Bird I	Reeves Pheasant	Syrmaticus reevesii	0	1	0	1			-	:	-			-	-		-	-	0	1	0	1
	Barn Owl	Tyto alba	0	0	0	0		-		0	0	1		-		0	0	1	0	0	-	-
	Parakeet (rose ringed)	Psittacula krameri	0	0	0	0	-	-	-	0	1	0	-	-	-	-	-	-	0	1	0	0
Total Bird			0	1	0	1		-	•	0	1	1		-		0	0	1	0	2	0	2
Mammals 1.	Blue Bull	Boselaphus tragocamelus	3	6	0	9	-	-	-	-		-	3	6	0	-	-	-	0	0	0	0
2.	Spotted Deer	Axis axis	0	0	0	0	-		-	2	0	0		-	-	-	-	-	2	0	0	2
Total Mamma Is			3	6	0	9	-	-		2	0	0	3	6	0	-	-	-	2	0	0	2
Reptile/ Amphibians	Nil		-	-	-	-	-	-		-		-		-	-	-	-	-		-		-
	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Invertebrate	Nil		0	0	0	0	0	0	0	0	0				0	0	0	0	0	0	0	0
Total	Nil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Animals			3	7	0	10	0	0	0	2	1	0	3	6	0	0	0	0	2	2	0	4

<sup>\* 9</sup> Nilgai released in Nature on dated 24/09/2021vide letter under reference CZA New Delhi's File No.7-8/2021-CZA(Part) Computer No.165005, Date : 09/09/2021.

#### 24. Mortality of animals:

Sr. No.	Animal Name	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-Mortem findings.
1	Barn Owl	Tyto alba	Male	20/06/2021	Death was due to Impaction of large intestine.
2	Jackal	Canis aureus	Male	26/06/2021	Death was due to gastritis.
3	Tiger	Panthera tigris	Male	05/07/2021	Died due to Cardiorespiratory failure.
4	Indian Langur	Semnopithecus dussumieri	Female	09/10/2021	Cardio-respiratory failure leading to shock & death.

### 25. Compliance with conditions stipulated by the Central Zoo Authority:

Sr. No.	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions

el

Divisional Manager Gorewada Project, Nagpur