



SPEED POST

F. No. WII/RTI/CPIO/2019-20(Qtr-I)/01

Dated 30.04.2019

To,

Shri Rohan Madhukar Bhate Shah, Ratnakalyan, 286/5/6 Budhwar Peth, Station Road, Karad – 415 110, Dist: Satara (Maharashtra)

Sub.: Information under Right to Information Act, 2005- reg.

Ref.: Your RTI Request dated 28.03.2019 received in this office on 08.04.2019.

Sir,

Please refer to your RTI Request on the above cited subject and reference. In this context, the required information duly certified from concerned authority of the Institute is attached herewith in 24 pages.

If you are not satisfied with the aforesaid reply, you may file an appeal before the First Appellate Authority i.e. "Dr. V.B.Mathur, Director, Wildlife Institute of India, P.B.18, Chandrabani, Dehradun – 248 001, Ph. 0135-2646102, 2640910" within thirty days from the date of receipt of this letter.

Thanking you,

Yours faithfully,

(Dr. Anju Baroth)

NO & CPIO (RTI)

Encl: as above.

30/4/19

ett-1

EPABX : +91-135-2640111 to 2640115; Fax : 0135-2640117; ई—मेल / E-mail: wii@wii.gov.in, वेब / website: www.wii.gov.in

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Response to RTI

Date: 24 April 2019

Reference to the RTI application by Shri. Rohan Bhate Shah, Karad, Satara District, Maharashtra dated 28.03.2019 (RTI-1/2019-20), seeking information on (1) the amount received till date by WII from 'Sahyadri Tiger Reserve Conservation Foundation', Kolhapur through the CCF cum Field Director Sahyadri Tiger Reserve, Kolhapur (Maharashtra), (2) the purpose for which this amount has been received by WII, (3) the copy of the agreement, terms and conditions, etc. between Sahyadri Tiger Conservation Foundation & WII, and (4) the expenditure made by WII till date from the amount received from Sahyadri Tiger Conservation Foundation, Kolhapur, the following information are furnished as per the listed questions:

- 1. Rs. 58,71,000/- has been received till date by WIT for the project 'Tiger Recovery Strategy and Long-term Monitoring in Sahyadri Tiger Reserve, Maharashtra' from 'Sahyadri Tiger Reserve Conservation Foundation', Kolhapur through the CCF cum Field Director Sahyadri Tiger Reserve, Kolhapur (Maharashtra).
- The said amount has been received for the purpose of implementing the NTCA approved project titled 'Tiger Recovery Strategy and Longterm Monitoring in Sahyadri Tiger Reserve, Maharashtra'.
- 3. Copy of Memorandum of Understanding signed between Maharashtra Forest Department and WII is provided herewith.
- 4. The total expenditure made by WII till date under this project is Rs. 49,98,291/- from the amount received from Sahyadri Tiger Conservation Foundation, Kolhapur.

CPIO. Wild Life Institute of India, Dehradun

Dr. K. Ramesh) Scientist-E

Total 24 pages.

Memorandum of Understanding (MoU)

between

Maharashtra Forest Department and Wildlife Institute of India for implementing the project

'Tiger Recovery Strategy and Long-term Monitoring in Sahaydri Tiger Reserve, Maharashtra'

Maharashtra Forest Department (hereinafter MHFD) and Wildlife Institute of India (hereinafter WII) hereby enters into a Memorandum of Understanding (hereinafter MoU) for carrying out the project titled 'Tiger Recovery Strategy and Long-term Monitoring in Sahaydri Tiger Reserve, Maharashtra, which is proposed as a collaborative project of MHFD. WII. National Tiger Conservation Authority (hereinafter NTCA) and Wildlife Conservation Trust (hereinafter WCT).

Project Goal and Objectives:

INFORMATION PROVIDED

The overall goal of the project is to enable ecological integrity by facilitating an optimal, free-ranging tiger population¹ in Sahyadri Tiger Reserve, Maharashtra by 2025. The following are the specific objectives;

- To undertake feasibility study, habitat recovery and prey augmentation towards preparing inviolate core area with adequate prey for tiger reinforcement if needed (Action, STR and WII).
- 2 To ensure demographically, genetically and physically (health-wise) optimal population of tiger and its offspring, by undertaking population management by strengthening of existing connectivity options and consider translocation of tiger from other suitable sites if natural colonization is not absolutely possible (Action: WII and STR).
- To devise and execute monitoring strategy of founder individuals (prey species and tiger if translocated) involving radio telemetry and GPS-satellite/GSM tracking technology (Action: WII and STR).
- To study prey-predator relationship and undertake population estimation and monitoring as per NTCA Phase IV monitoring protocol (Action: STR, WII and NTCA).
- To undertake conservation education program for local people and capacity building trainings for field staff towards social acceptability and technical skill development respectively for effective implementation of tiger recovery program (Action: WCT, WII and STR)

The following are the specific objectives under the component on ecological research and long-term monitoring, which Wil would primarily be undertaking.

- To conduct feasibility analyses of the area in the context of current habitat condition, natural colonization possibility and social acceptance
- To undertake monitoring of prey species and tiger populations looking into movement pattern, population growth, behavior, genetic structure and physiological profile.

Optimal population is defined as the population size that is possible given the habitat size/quality and prey density distribution.

- to estimate population size of tiger co-predator and prey species, and model the habitat correlates to understand the species-habitatire at onship, and support the ongoing Phase IV mon toring activity
- To map landscape composition and configuration, and estimate patch properties connectivity, and conservation spatial phoritization within and across the landscape
- To quantify human-wildlife interface issues and ecological correlates linked to economics and system services

 ework for Project Execution

 INFORMATION PROJECT INFORM

Framework for Project Execution

A. Roles & Responsibilities of MHFD

- Chief Wildlife Warden (hereinafter CWLW) shall issue a formal office order of approval of the collaborative project for the period of four years i.e. 2016/17 to 2020/21 CWLW shall also issue research permission for the project in the name of Principal Investigator Co-Investigators Research Fellows of the project and other support personnel such as Interns. Volunteers and Field Assistants, and this shall cover data collection and biological samples (for analyses of food habit hormone and genetics) to meet the project objectives. The permission would cover field data collection in various administrative units, covering the Tiger Reserve, Wildlife Sanctuary and Forest Divisions within the state.
- 2 Chief Conservator of Forest and Field Director of Sahaydri Tiger Reserve (herein after CCF & FD. STR) would be the key executive of the overall project, while he/she would be a co-investigator/collaborator in the ecology and long-term monitoring component. Depending on the emerging specific requirement and inputs, additional co-investigator/collaborator would be co-opted at later stage.

The project has the following budget allocation

S. No.	Remarks the second of the seco	Rate/Budget Requirement per year (in lakhs)	Total Requirement (in Lakhs)
	- Committee and the party of the state of th	30000x12x3 = 10 80	43 20
	Manpower 3 Project Fellows, 3 Field Assistants.	7000x12x3 = 02 52	10 08
	2 Interns and 1 Office Assistant (including HRA)	8000x12x2 = 01 92	07 68
1	2 Interns and 1 Office Assistant,	15000x12x1 = 02 40	09 60
	and fuel 2 vehicles	40000x12x2 = 09 60	38 40
2	Vehicle hiring and fuel 2 vehicles Travel for project personal (investigators and	30000x4x3 = 03.60	14 40
3	project fellows) Equipment (includes Camera Traps, GPS, Compass, Range Finder Weather Station, RS&GIS data Camera, Computer and Accessories, Camping Equipment, etc.) Monitoring of translocated founder animals and other logistics*	Lumpsum 15 00	60 00 •50 00
		Lumpsum 10 00	10 00
5	Contingency (includes receipt atc.)	Lumpsum 02 00	8 00
6.	Communication, Stationeries, etc.) Internal Meeting and Report preparation Cost	Lumpsum 02 00	8 00
7.	Internal Meeting and research	Lumpsum 02 00	8 00
8.		Lumpsum 05 00	20 00
9	Miscellaneous/unstitution Charge	66 84	287 40

our and STR shall transfer funds to Will from time to time as per the following

First Installment 80% of year 1 funding as approved by MHFD

Second Installment 20% of year 1 funding and 80% of year 2 funding

Third Installment 20% of year 2 funding and 80% of year 3 funding

Fourth Installment, 20% of year 3 funding and 80% of year 4 funding

Fifth Installment 20% of year 4 funding upon submission of final draft report 4 CCF & FD, STR and FD of other reserves shall facilitate the project in field and shall

arrange to provide logistic support in terms of staff for line transect, camera trapping veterinary interventions, use of camps in field, local communication network (wireless) and service of elephants if available for field implementation of the project

B. Roles & Responsibilities of WII

INFORMATION PROVIDED

Will shall recruitresearch fellows/projectpersonneland procuresquipment as outlined in the project proposal.

- 2 WII shall establish a base-camp for the project and shall enable necessary logistics required for research fellows/project personnel
- 3 Principal Investigator (hereinafter PI) of the project in consultation with Co-Investigators (hereinafter CI) shall allocate work responsibility to each research fellows/project personnel to meet the objectives as per the project proposal. The research fellows/project personnel shall follow the work plan, except in case of emergencies where their services may be required for other activities by MHFD and WII.
- 4. PI, with due approval of Dean, Faculty of Wildlife Sciences and Director Will (hereinafter DWII), will co-opt any faculty members from WII and other external experts from outside (within India and abroad) for specific technical inputs/expertise as may be necessary. Such involvement of resource persons/experts will be informed to CCF & FD, STR and CWLW by email or letter on case-by-case basis
- 5. PI shall arrange to submit Annual Progress Report in the month of April every year and Final Report shall be submitted after the end of the project, i.e final draft by March 2020 for comments and inputs from CCF & FD. STR and CWLW, and final printed report by September 2020.
- 6. The research personnel involved in the project would be encouraged to carry out higher education degrees and inter-alia would pursue Internship Project M Sc dissertations and Ph.D thesis A copy of all the documents, research papers dissertations and thesis emerging out of the project will be submitted to CCF&FD STR and CWLW

D. General Terms and Conditions

1 Will team, while undertaking the project, shall impart training to field staff on various activities being carried out by individual research fellows/project personnel Accordingly, CCF & FD, STR shall facilitate participation of field staff in the data collection procedures

- 2. Equipment produced under the project by Will would be considered property of Will in all practical purposes since these would be produced following customs exemption and other legal compliances including account and auditing as outlined for academic and research institutions. However, Will may decide to transfer field equipment, in working condition, to the office of FD after end of the project or auctioned in the field as deemed necessary or fit.
 - 3 Will and MHFD shall share the credit equally and shall acknowledge the role of all who contributed to the project activity. Pt of the project shall lead the report preparation and encourage the research fellows to publish research papers. Pt shall fix the authorship of the reports and scientific publications on the basis of contribution to project findings.
 - 4. Dispute or matter of arbitration, if any, will be resolved amicably jointly by the signing authorities of this MoU. This MOU, its meaning and interpretation and the relations between the parties shall be governed by the Laws of Union of India.
 - 5. If need arises, the MoU may be amended on mutually agreed terms between WII and MBFD.

 INFORMATION PROVIDED

Signed on Behalf of
Signed on Behalf of
Signed on Behalf of
Wildlife Institute of India, Dehradun State of India, Dehradu

Response to Mr. Rohan Bhate Shah's RTI dated 16.04.2019

1. The amount received till date by WII from 'Sahyadri Tiger Reserve Conservation Foundation', Kolhapur through the CCF cum Field Director Sahyadri Tiger Reserve, Kolhapur (Maharashtra).

Project Title	Amount Received
Ecological reconnaissance and conservation assessment of Avifauna in Sahyadri Tiger Reserve	19.96 Lakhs (in three Instalments)

2. The purpose for which this amount has been received by WII.

The amount was received by WII to conduct the study titled "Ecological reconnaissance and conservation assessment of Avifauna in Sahyadri Tiger Reserve"

3. The copy of the agreement, terms and conditions, etc. between Sahyadri Tiger Reserve Conservation Foundation & WII.

The Memorandum of understanding (MoU) signed between Sahyadri Tiger Reserve Foundation and Wildlife Institute of India is enclosed herewith which has the terms and

conditions.

4. The expenditures made by WII till date from the amount received from Sahyadri Tiger Conservation Foundation, Kolhapur.

The sanctioned amount to WII of Rs. 19.96 Lakhs for the project titled 'Ecological reconnaissance and conservation assessment of Avifauna in Sahyadri Tiger Reserve' have been fully spent for the purpose it was granted. Expenditures include engaging research biologists (2 nos), travel, purchase of essential field equipments, contingency, technical report printing and Institutional cost of 15% of the total cost of the project. The utilization certificate and final report has been submitted to the CCF cum Field Director Sahyadri Tiger Reserve, Kolhapur (Maharashtra).

Memorandum of Understanding (MoU)

(To be read together with the Sanction order. One copy of the Sanction order and Mol., duly signed by the competent authority of the WII to be returned to Salivadri Liger Foundation, following which the funds as stated in the order would be released

Title of the Study

Ecological Reconnaissance and Conservation Assessment of Avifauna in Sahyadri Tiger Reserve

Proponent:

Dr. G.V. Gopi

Scientist D

Wildlife Institute of India

Post Box # 18, Chandrabani

Dehradun 248 001

Uttarakhand

I mail: dwii a wii gov in: gopigv a wii.gov.in

Specific objectives of the project

- INFORMATION PROVIDED To determine the avian species diversity patterns in Sahyadri Liger Reserve.
- To identify the determinants of bird species richness in Sahyadri Liger Reserve.
- To determine the habitat utilization pattern by birds in Sahyadri Liger Reserve
- To determine the effect of anthropogenic pressure on the avian species richness in Sahyadri Liger Reserve.
- To prepare a conservation plan for avifauna in Sahyadii Tiger Reserve from the information generated from the above objectives

Deliverables:

Conservation and management plan for avifauna in Sahyadri Liyer Reserve based on the above stated objectives

Publication of a technical report, scientific manuscripts, popular articles from findings of the study

Budget:

S. No	Particluars	1NR (in Lakhs)
1	2 nos Research Biologists a 25000 per month (consolidated) for 18	9 ()
	months	
7	Travel including site visit, local hiring of vehicles	15
1	Purchase of satellite imageries, Liela equipments including computers, peripherals, printers, camera, GPS, Binoes, Spottig scopes, Mist nets	•
	ete	

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Sahyadri Tiger Reserve Foundation



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		Page 2
ı	Contingency including food and boarding during field work for field team	0.50
`	Technical Report publication and Miscellaneous	0.61
6	Dissemination of research findings in International forums	3.00
7	Institutional costs (15% of the above) to WII for providing logistic support to run the project effectively	2.6, 20
	Total	1006 lakhs

Terms of Reference (Addition to those mentioned in Sanction Order)

- 1. The project is sanctioned and approved for a period from September 2016 till Feb 2018.
- 2. Project execution time as estimated shall not be extended under normal circumstances.
- 3. I scalation in cost shall not be allowed on any account
- Responsibility for monitoring the progress shall rest with Director WH and Dr. Clement Ben. Chief Conservator of Forests and Field Director, Sahyadri Tiger Reserve.
- WII. Dehradun shall ensure timely completion of the entire project and deliverables as planned and have been spelt out in sanction letter.
- 6. The expenditures will be made only for the purposes clearly described in the Sanction order of Memorandum of Understanding. WII. Dehradun will be used to receive all funds from the Sahyadri Liger Foundation, and make all expenditures according to the Sanction order and Mot.
- WII. Dehradum is allowed to create permanent research infrastructure, facilities or assets, to the extent provided in the sanction order and WII. Dehradum shall return ownership of such infrastructure, facilities or assets after the period of funding, provided that WII. Dehradum provide clear and distinct assurance to allocate resources themselves for operation, maintenance and upkeep of such infrastructure, facilities or assets.
- 8 WH. Dehradun shall do all other things as may be considered necessary by the Sahyadri Figer Foundation and may be incidental or conducive to the attainment of the stated objectives.
- 9. No contracts for the sale, purchase or supply of any goods or equipment or for any work or service shall be made for and on behalf of WII. Dehradun with any member of the Sahyadri Tiger Foundation or any relative of any member of the Sahyadri Tiger Foundation or any firm in which such member(s) or his her their relative is a partner or director or equivalent. In all contracts the WII, Dehradun shall take all necessary and reasonable precaution to avoid any potential issues of conflict of interest. In specific cases, where the above rule is not followed, the WII, Dehradun shall take all reasonable precaution to ensure that no personal benefits accrue to the relevant member(s) of Sahyadri Tiger Foundation.

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Sahyadri Tiger Reserve Foundation



Authorized Signatory WII

- 9
- 10. The Sahyadri Tiger Foundation would review the progress of various tasks undertaken in the project periodically and WII will update the progress to the Sahyadri Tiger Foundation and Field Director, Sahyadri Tiger Reserve. In this connection, WII, Dehradum shall send the Half Yearly report on the study for necessary action at Sahyadri Tiger Foundation.
- 11. The recruitment of the project staff shall be made by WH, Dehradun following its guidelines. The contractual staff would automatically stand terminated upon completion of the project.
- 12. The researchers engaged by WII in the project would spend most of the time collecting field data in Sahyadri Tiger Reserve and assist the Sahyadri Tiger Reserve authorities for other research activities as well as deemed fit by the authorities

Activity Milestones

The activity milestones are as under

Particulars	Sep 16 Nov 16	Dec 16	March 17 May 17	Jun 17 Aug 17	Sep 17 Nov 17	Dec 17
I ngagement of research biologists Review of literature. finalization of research permits, study design.				INFOR	RMATION UNDER	PROVIDED RTS
reconnaissance visit. Field work Data analysis, compilation and final repor writing and submission						

Mode of Payment: 50% of the total amount to be paid at the beginning of the project, 30% to be paid after submission of the first inception report in the 6% Month of the project. Balance payment to be released with submission of the final report.

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Sahyadri Tiger Reserve Foundation



Authorized Signatory WII

(10)

Status of fish diversity in Sahyadri Tiger Reserve, Maharashtra

Information requested by Rohan Madhukar Bhat Shah under RTI Act 2005 - reg.

1. the amount received till date by WII from 'Sahyadri Tiger Reserve Conservation Foundation, Kolhapur through the CCR cum Field Director Sahyadri Tiger Reserve, Maharashtra for conducting study on Status of fish diversity in Sahyadri Tiger Reserve, Maharashtra is:

Rs. 8,62,000/- (Rupees eight lakhs and sixty two thousand only)

2. The purpose for which this amount has been received by WII.

To document fish diversity and assess their current status in streams/ rivers/ reservoirs of Sahyadri Tiger Reserve of Maharashtra.

3. The copy of the agreement, terms and conditions, etc. between Sahyadri Tiger Reserve Conservation Foundation & WII

Yes, the copy of MoUhas been attached. INFORMATION PROVIDED UNDER RTI

4. The expenditure made by WII till date from the amount received from Sahyadri Tiger Reserve Conservation Foundation, Kolhapur.

Expenditure till date Rs. 8,62,000/-



Memorandum of Understanding (MoU)

(To be read together with the Sanction order. One copy of the Sanction order and MoU duly signed by the competent authority of the WII to be returned to Sahyadri Tiger Foundation, following which the funds as stated in the order would be released)

Title of the Study

Status of Fish diversity in Sahayadri Tiger Reserve, Maharashtra

Proponent:

Dr. J.A. Johnson

Scientist D

Wildlife Institute of India, # 18, Chandrabani

Dehradun - 248 001. Uttarakhand

E-mail: jaj@wii.gov.in; dwii@wii.gov.in

Specific objectives of the project

nradun - 248 001. Uttarakhand
nail: jaj@wii.gov.in; dwii@wii.gov.in

petific objectives of the project

1. Inventory of fish diversity and assess their current status in streams/ rivers/ reservoirs of Sahayadri Tigar Pasarya of Maharashtra of Sahayadri Tiger Reserve of Maharashtra.

Document the habitat conditions and use by rare and threatened fishes.

Identification and mapping of critical habitats of central Indian and decean mahseers (Tor tor and Tor khudree).

Deliverables:

1. Updated Fish list along with status and habitat ecology of threatened fishes will be prepared for the Sahyadri Tiger Reserve, Maharashtra.

2. Habitat use of Threatened fishes will be documented and critical mahseer habitat will be

identified within the protected area.

3. Pictorial field guide on fishes of Sahyadri Tiger Reserve will be brought out through this project.

Budget:

Suugei.	Particulars	INR (in Lakhs)
S. No	Particulars	3.0
1	Salary/wages of project personal Research Biologist @ 25000 per month (consolidated) for 12 months	. 3.0
	The state of the s	0.5
2	Equipments: Pigmy Flow meter, Densitometer, Fishing Nets	3.0
3	Travel (including TA and DA as permissible under WII rules)	
	Control of the Contro	1.0
4	Contingency & consumables	7.5
5	Sub- total	1.12
6	Institutional costs (15% of the sub-total)	and the second s
		8.62 lakhs
TES WEST	Total	

Authorized Signatory Sahyadri Tiger Reserve Foundation Authorized Signatory डा. वि.वि. माथुर(Dr. V.B. Mar निदेशक Director भारतीय वन्यजीव संस्थान WILDLIFE INSTITUTE OF INDIA वेहरादून/Dehradun



Terms of Reference (Addition to those mentioned in Sanction Order)

- 1. The project is sanctioned and approved for a period from January 2017 to December 2017
- 2. Project execution time as estimated shall not be extended under normal circumstances.
- 3. Escalation in cost shall not be allowed on any account.
- 4. Responsibility for monitoring the progress shall rest with Director WII and Dr. Clement Ben, Chief Conservator of Forests and Field Director, Sahyadri Tiger Reserve.
- 5. WII, Dehradun shall ensure timely completion of the entire project and deliverables as planned and have been spelt out in sanction letter.
- 6. The expenditures will be made only for the purposes clearly described in the Sanction order of Memorandum of Understanding. WII, Dehradun will be used to receive all funds from the Sahyadri Tiger Foundation, and make all expenditures according to the Sanction order and MoU.
- 7. WII, Dehradun is allowed to create permanent research infrastructure, facilities or assets, to the extent provided in the sanction order and WII, Dehradun shall retain ownership of such infrastructure, facilities or assets after the period of funding, provided that WII, Dehradun provide clear and distinct assurance to allocate resources themselves for operation, maintenance and upkeep of such infrastructure, facilities or assets.
- 8. WII. Dehradun shall do all other things as may be considered necessary by the Sahyadri Tiger Foundation and may be incidental or conducive to the attainment of the stated objectives.
- 9. No contracts for the sale, purchase or supply of any goods or equipment or for any work or service shall be made for and on behalf of WII, Dehradun with any member of the Sahyadri Tiger Foundation or any relative of any member of the Sahyadri Tiger Foundation or any firm in which such member(s) or his/her/their relative is a partner or director or equivalent. In all contracts the WII, Dehradun shall take all necessary and reasonable precaution to avoid any potential issues of conflict of interest. In specific cases, where the above rule is not followed, the WII, Dehradun shall take all reasonable precaution to ensure that no personal benefits accrue to the relevant member(s) of Sahyadri Tiger Foundation.
- 10. The Sahyadri Tiger Foundation would review the progress of various tasks undertaken in the project periodically and WII will update the progress to the Sahyadri Tiger Foundation and Field Director, Sahyadri Tiger Reserve. In this connection, WII, Dehradun shall send the Half Yearly report on the study for necessary action at Sahyadri Tiger Foundation.
- 11. The recruitment of the project staff shall be made by WII, Dehradun following its guidelines. The contractual staff would automatically stand terminated upon completion of the project.
- 12. The researchers engaged by WII in the project would spend most of the time collecting field data in Sahyadri Tiger Reserve and assist the Sahyadri Tiger Reserve authorities for other research activities as well as deemed fit by the authorities.

Authorized Signatory Sahyadri Tiger Reserve Foundation हा Authorized Signatory निदेशिशीDirector भारतीय यन्यजीव संस्थान WILDLIFE INSTITUTE OF IND A देहराद्न/Dehradun



Activity Milestones

The activity milestones are as under:

Particulars	Jan 2017 - March 2017	April 2017 - June 2017	June 2017 Aug 2017	Aug 2017 - Dec 2017
Engagement of research biologists Review of literature, finalization of research permits, study design, reconnaissance visit				
Intensive Field sampling		· · · · · · · · · · · · · · · · · · ·		
Field sampling, species confirmation and Data analysis		ED Car		
Preparation of checklist, field guide and report submission	DER RTS			

Authorized Signatory Sahyadri Tiger Reserve Foundation डा. वि.वि. माथुरातः V.B. Mathur निदेशक Director मारतीय यन्यजीव संस्थान WILDLIFE INSTITUTE OF INDIA देहराद्न/Dehradun

1. The amount received till date by WII from Sahyadri Tiger Reserve Foundation Kolhapur through CCF cum Field Director STR, Maharashtra.

Attached Annexure-I and II

2. The purpose for which amount has been received by WII.

To Evaluate the Outstanding Universal values of Western Ghats (Sahyadri sub-cluster) for Provisioning and Regulating Ecosystem Services in the Region.

3. The copy of the agreement, terms and conditions etc. between Sahyadri TRCF and WII.

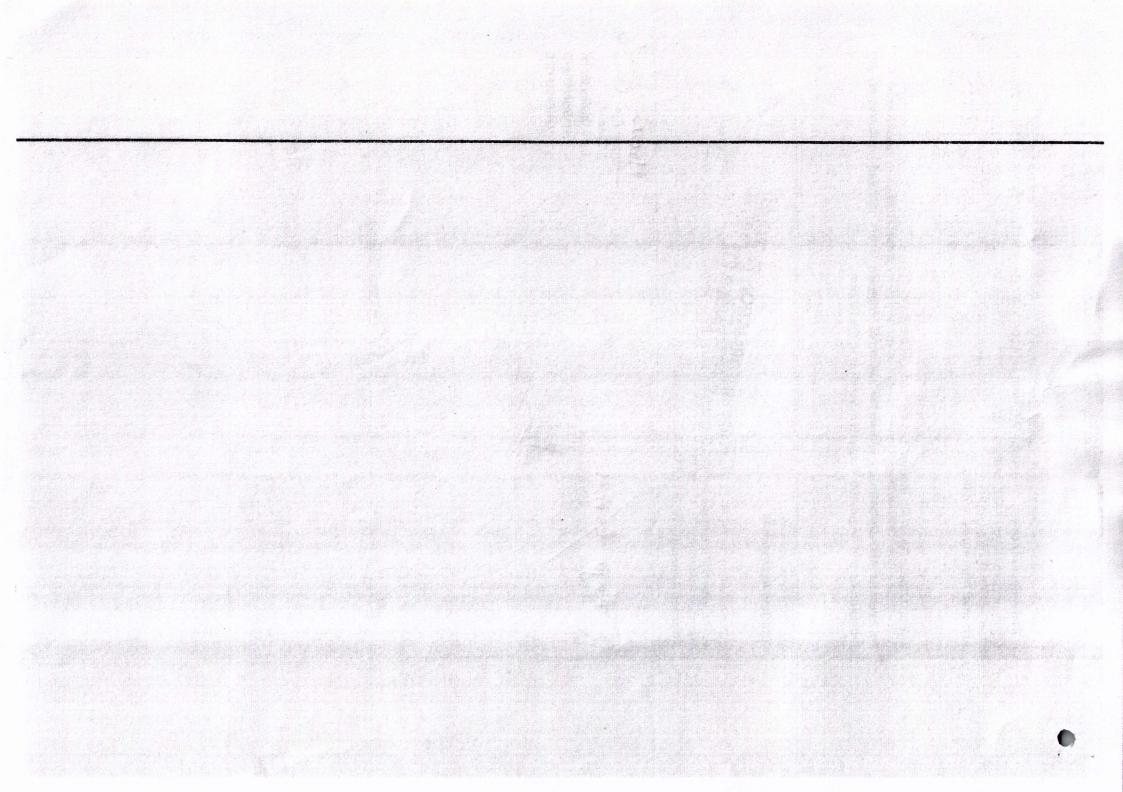
Attached Annexure-III

4. The expenditure made by WII till date from the amount Exercised from STCF, Kolhapur.

Attached Annexure- IV, V and VI

Dr. Anju Baroth

Mamta Omal Dr. Malvika Onial Scientist-D **UNESCO C2C**





WII-UNESCO Categary 2 Centre (2016-17) Wildlife Institute of India, Chandrabani

Dehradun

Grant-The Sahyadri Tiger Cons. Foundation

Ledger Account

1-Apr-2016 to 31-Mar-2017

					Page
 Data	Particulars	Vch Type	Vch No.	Debit	Credit
3-8-2016 Dr	Bank-UBI A/c No. 518502010054034	Receipt	58960		7,47,500.00 2,99,000.00
	Olasian Palanca		ON PROVIDED - DER RTI =	10,46,500.00	10,46,500.00
Cr	Closing Balance	NEORMATI	DER RTI	10,46,500.00	10,46,500.00

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WII-UNESCO Categary 2 Centre (2017-18)

Wildlife Institute of India, Chandrabani Dehradun

Grant-The Sahyadri Tiger Cons. Foundation

Ledger Account

1-Apr-2017 to 31-Mar-2018

					Page 1
Date	Particulars	Vch Type	Vch No.	Debit	Credit
20-7-2017	Dr Bank-UBI A/c No. 518502010054034	Receipt			4,48,500.00
			-		4,48,500.00
Cr	Closing Balance			4,48,500.00	
			-50	4,48,500.00	4,48,500.00
			- TOED =		

INFORMATION PROVIDED



MEMORANDUM OF AGREEMENT BETWEEN

THE SAHYADRI TIGER CONSERVATION FOUNDATION, MAHARASHTRA AND

THE WILDLIFE INSTITUTE OF INDIA (WII), DEHRADUN

2016 between the Sahyadri Tiger Conservation Foundation under the provisions of the Biodiversity Act, 2002, and having its office at ______, which expression shall, where the context so admits, include its successors and permitted assignees, of the one part (the 1st party).

AND

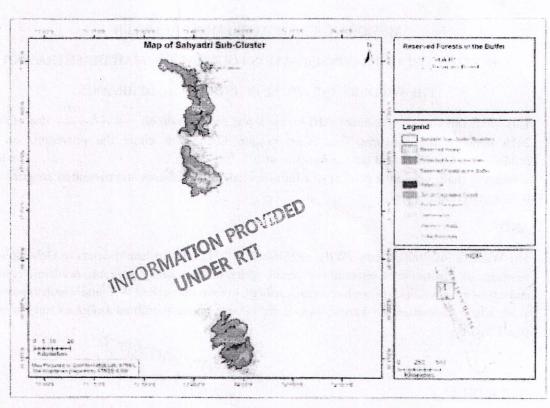
The Wildlife Institute of India (WII), established in 1982 with its headquarters in Dehradun, an autonomous Institution of international repute which offers training program, academic courses and advisory in wildlife research and management, herein-after called WH, and which expression shall, where the context so admits, include its successors and permitted assignees, on the other (the 2nd party). INFORMATION PROVIDED

PREAMBLE:

The mountain chain of the Western Ghats represents geomorphic features of immense importance with unique biophysical and ecological processes. Globally it has been recognized as one of the world's eight "hottest hotspots" of biological diversity and is also inscribed as a UNESCO World Natural heritage site. The UNESCO Criteria (ix) and (x) for natural sites are suitably linked to the 39 serial the site that collectively form the best representatives of nonequatorial tropical evergreen forests anywhere and are home to at least 325 globally threatened flora, fauna, bird, amphibian, reptile and fish species.

UNDER RT!

The Sahyadri Sub-cluster is part of the serial site of UNESCO's World Heritage Site of the Western Ghats cluster containing four site elements viz. Radhanagiri Wildlife Sanctuary (16°21'00" N and 73°57'00") Chandoli National Park (17°11' 00" N and 73° 46' 30" E) Koyna Wildlife Sanctuary (17° 34' 30" N and 73° 46' 30" E) and the Kas Plateau (17°43' 30" N and 73° 49' 30" E). The inscribed total area of the site is 1026.6 sq. km. (Map 1). It also forms part of the Sahyadri Tiger Reserve that was constituted under the Wildlife (Protection) Act, 1972 in 2007.



Map 1: location map of Western Ghats World Hentage Site (Sahyadri Sub-cluster), India

Studies indicate that biodiversity is an important underlying factor accounting for Ecosystem Services (ES), and today these services in India and other Asian countries are likely to be derived from more intact ecosystems found in Protected Areas (PAs). Downstream, distant large- and small-scale agricultural producers, enterprises and urban centers are not the only beneficiaries of PA services. A large number of low-income agricultural households living around PAs are engaged in agriculture, livestock-grazing and collection of forest products from such areas. All of these communities depend for their livelihoods on the numerous environmental services PAs provide, such as regulating (food, timber, water, fiber), provisioning (carbon storage and climate regulation, erosion and flood control, pollination), cultural (recreational, aesthetic, spiritual) and supporting (nutrient cycling, water cycle and soil formation) services among others. The International Strategy for Disaster Reduction (ISDR) notes that "protection of vital ecosystem services is fundamental to reducing vulnerability to disasters and strengthening community resilience".

It is therefore proposed that a study to document and assess the key ecosystem services provided by Western Ghats (Sahyadri sub-cluster) would be essential towards better management of the site and also for the long -term perpetuity of its Outstanding Universal Values (OUVs).

The study will be earried out by WII with following objectives:

- 1) To map and assess the key provisioning services of Disaster Risk Reduction, erosion and flood control by the catchment area of the study site and propose an ecosystem-based strategy for long term preservation of its OUVs.
- 2) To assess the extent of cultural services (such as recreation) being provided and their overall impact towards maintaining the integrity of the site OUVs.

Expected Methodology:

INFORMATION PROVIDED

The assignment would require following essential steps to be undertaken by WINDER RTI

- a) To study key regulating service of DRR and erosion and flood control The research hypothesis in this objective is that Protected Area ecosystems are more resilient to Climate change and Disaster Risk Reduction. Satellite based landuse/landcover change within the landscape for the last 30 years will be conducted. Flood risk modeling using a watershed based approach of perennial water channels, water holes and the Vasant Sagar Reservoir (feeding into Koyna and Chandoli dams) that are contained within the site will be conducted to assess the vulnerable areas and projected into the future.
- b) To study the impact of cultural services towards management and protection of the OUVs - the research hypothesis in this objective is that sustainable ecotourism is likely to benefit the site's rare and threatened species (e.g. Malabar Palm Civet (Viverra civvetina), Wroughton's free tailed bat (Otomops wroughtoni), floristic elements of Kaas plateau) as they bring in revenue for their conservation. Social valuation methods including field sampling, rapid assessment of species distribution, disturbance factors etc will be undertaken.

The field data as derived from section a&b above shall be further assessed under freely available inVEST((http://www.aboutvalues.net/) and valuES tools such online http://www.naturalcapitalproject.org/invest/) to come up with an overall management strategy for the site managers.

Schedule of Deliverables and Linked Payments:

The total time that will be required for the study is 12 months from the commencement of the project. The data-collection and analysis phase is expected to take 5 months within the time frame stated above.

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S no	Item of work	INR (in Lakhs)	Remarks
1	Data Collection and analysis by hiring two researchers for a total of 12 months @ 18,000 + HRA (as admissible) per month.	5.15	EQ for advertised posts 1&2 to be environmental sciences (specialization in RS & GIS) and social sciences respectively.
2	Travel including site visit and hiring of vehicle for field work. 3 field visits by C2C staff	2	Includes travel by PI, co-PI and experts
3	Procurement of field equipment including Laptop, digital camera etc		Laptop, Digital Camera, GPS, Compass, Range Finder etc.
4	Food and boarding during field work Food @ Rs 1100/month for 9 months X 2 persons *	0.2	Sandhoniste (A. bothur
5	Expenditures at headquarter 2500/month for 3 monthsX2	0.15	
6	High Resolution Satellite data (IRS- LISS 4)	2	ORMATO
7	Report writing and post-project dissemination of report to stakeholders and policymakers	0.5	OKI UND
8	Capacity Building and training including workshops for dissemination of projects results (India and Overseas)	2	States of the Land
	Sub Total (A)	13	
	Institutional costs (15% of the above) to WII	1.95	
	Total	14.95	

^{*}Researchers will spend 75% of the project time on field.

Mode of Payment: 70% of the total amount to be paid at the beginning of the project. 20% to be paid after submission of the first inception report in the 6th Month of the project. Balance 10% payment to be released with submission of the final report.

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PRATE/Director Designation 13 [13] P. High Dr. V.B. Mathur

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WII-UNESCO Categary 2 Centre (2016-17) Wildlife Institute of India, Chandrabani

Dehradun



Sahyadri-The Sahyadri Tiger Conservation Foundation
Group Summary

1-Apr-2016 to 31-Mar-2017

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Particulars		Debit	Credit
Sahyadari-Contigencies		20,932.00	
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Sahyadari-Travel Expenditure	MDE	21,277.00	
Sahyadri-Base Camp Expenses	, ,	2,30,355.00	
Sahyadri-Fellowship & Wages Sahyadri-Office Equipment	1	98,105.00	
Sahyadari-Travel Expenditure Sahyadri-Base Camp Expenses Sahyadri-Fellowship & Wages Sahyadri-Office Equipment Sahyadri-Training & Workshop		90,221.00	
Grand Total		5,33,448.00	
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Page 1

WII-UNESCO Categary 2 Centre (2017-18) Wildlife Institute of India, Chandrabani

Wildlife Institute of India, Chandrabani Dehradun

Sahyadri-The Sahyadri Tiger Conservation Foundation Group Summary

1-Apr-2017 to 31-Mar-2018

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Sahyadri-Fellowship & Wages Sahyadri-Training & Workshop

Particulars

Sahyadri-Base Camp Expenses

Sahyadari-Contigencies Sahyadari-Travel Expenditure

Grand Total



WII-UNESCO Categary 2 Centre (2018-19)

Dehradun Wildlife Institute of India, Chandrabani

Group Summary Sahyadri-The Sahyadri Tiger Conservation Foundation

1-Apr-2018 to 28-Feb-2019

12,914.00 Closing Balance Debit Page 1

Sayhadari-Report Sahyadari-Travel Expenditure

Particulars

Grand Total

64,524.00

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