REPORT ON MONITORING OF DEVELOPMENTAL ACTIVITIES OF ACHANAKMAR-AMARKANTAK BIOSPHERE RESERVE IN CHHATTISGARH UNDER MANAGEMENT ACTION PLAN 2015-16

Submitted by

Dr. N. Roy Choudhury, Scientist ‘G’
Tropical Forest Research Institute
(Indian Council of Forestry Research and Education)
(An Autonomous Body of the Ministry of Environment, Forests & Climate Change, Govt. of India)
P.O. RFRC, Mandla Road
Jabalpur – 482021 (M.P.)
2016
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INTRODUCTION

Achanakmar-Amarkantak Biosphere Reserve is the first biosphere reserve of Chhattisgarh State and 14th biosphere reserve of the country, declared by Government of India during the year 2005, vide No. 9/16/99 CS/BR dated 30th March 2005 (Anon, 2007a) (Fig.1). It lies between latitude 22° 15’ to 20° 58’ N and longitude 81° 25’ to 82° 5’E and is spread from Maikal hill ranges to the junction of Vindhyan and Satpura hill ranges in a triangular shape. Achanakmar-Amarkantak biosphere reserve is the most dramatic, ecologically diverse, least developed and least disturbed area falls under Deccan Peninsula biogeographic zone of tropical dry and moist deciduous forests biome of India and spread over in Chhattisgarh and Madhya Pradesh with topography ranging from high mountains, shallow valleys and plains (UNESCO-MAB, 2012, http://www.unesco.org/mab).

The biosphere reserve supports three major river systems of central Indian region, viz. Narmada, Sone and Johilla and their tributaries. Its boundaries start from Kota and Lormi forest ranges of Bilaspur district in (Chhattisgarh) south to Rajendragram forest range of Anuppur district (Madhya Pradesh) in the north and Belgahana forest range of Chhattisgarh in the east to Dindori forest range of Dindori district in Madhya Pradesh. The total geographical area of biosphere reserve is 38, 35.51 sq. km (Anon, 2007a,b). It consists of three distinct zones, viz. core zone with an area of 551.55 sq. ha. in Chhattisgarh state, buffer zone with an area of 1,95,587.5 sq. ha. in Madhya Pradesh and Chhattisgarh, and outer most transition zone with an area of 132808.5 sq. ha. in both the states.

The biosphere reserve has three distinct seasons, viz. monsoon, which begins from July and continues up to October, winter from November to February and summer from March to June (Anon, 2008). The lowest temperature in winter is -2° C, which rises up to a maximum of 46° C in June and the humidity varies from 39 % to 90%. The annual rainfall is about 1624 mm. The forest vegetation is tropical deciduous type and is classified into “Northern Tropical Moist Deciduous and Southern Dry Mixed Deciduous forests (Champion and Seth, 1968). The drainage system of biosphere reserve consists of rivers originating from the core and buffer zones and a water check dam known as Khudia dam built on the Maniari river towards south-west of the biosphere reserve, fulfills the water needs of inhabitants and wildlife.
The Achanakmar-Amarkantak biosphere reserve is very rich with high density of flora and fauna (Joshi, 2009; Roychoudhury, 2013). It comprises of 1734 species of identified flora. It has 429 species of thallophytes that includes 7 species of algae, 238 species of fungi and 184 species of lichens, 44 species of bryophytes, 49 species of pteridophytes, 16 species of gymnosperms and 1196 species of angiosperms. They yield spices, food, ayurvedic medicines and timbers. Around 184 species of plants have been identified for their ethnobotanical and ethnomedicinal uses. Besides these, there are 389 identified faunal species consisting of 179 species of invertebrates that include 5 species of centipedes, 66 species of butterflies, 66 species of moths, 41 species of beetles and one species of cricket, and 210 species of vertebrates that include 16 species of pisces, 10 species of amphibians, 15 species of reptiles, 144 species of aves and 27 species of mammals. As a whole, Achanakmar-Amarkantak biosphere reserve is a paradise of biodiversity (Roychoudhury et al., 2012).

Inhabitants of Achanakmar-Amarkantak biosphere reserve

Information on population of different villages of biosphere reserve collected from different sources revealed that there are 418 villages with a total population of 4,36,128 in biosphere reserve (Anon, 2010). Six villages with a total population of 1,177 of core zone of biosphere reserve namely Bankul, Bokrakachar, Sambhardhasan, Bahawal, Jalda and Kuba have been shifted to other locations in buffer zone (Roychoudhury, 2013). Major residential areas in buffer and transition zones are Kota, Khondri, Dindori, Lormi, Akhrar, and some revenue and forest villages. There are 27 communities consisting of Baiga, Gond, Dhanwar, Kol, Kanwar, oraon, Chamar, Sais (Sarthi), Basore, Lonia, Muslim, Sindhi, Brahmin, Rajput, Goswami, Baraith, Kalar, Kumhar, Kewat, Nai, Ahir (Raut), Panika, Sondhiya, Lohar, Maratha, Sonar and Baniya live in these two zones (Anon, 2012). The inhabitants are poor and depend mainly on agriculture and partially on biosphere reserve for fuel, fodder, food, medicine, etc. Non-wood forest produce collection plays a vital role in the economy of the inhabitants.

MONITORING AND EVALUATION COMMITTEE

1. Dr. N. Roychoudhury, Scientist ‘G’, Tropical Forest Research Institute, Jabalpur
2. Shri Ram Bhajan Singh, Research Officer-II, Tropical Forest Research Institute, Jabalpur
METHODOLOGY

The information on developmental activities carried out by Achanakmar-Amarkantak biosphere reserve authorities in Chhattisgarh part of biosphere reserve was collected from the Director, Achanakmar-Amarkantak biosphere reserve, Koni, Bilaspur, Chhattisgarh. A copy of the Annual action plan approved by Government of India, Ministry of Environment, Forests and Climate Change, New Delhi for the year 2015-16 vide letter no. 9/03/2011-CS/BR-133, dated 31.08.2015 (Annexure I) and the actual work done on priority basis as per the released installment of Rs.72.38 lakhs was also collected (Annexure II and III). The activities conducted in different forest ranges of core zone of biosphere reserve were monitored and evaluated physically during the period 7th-9th June 2016. Shri C. L. Agarwal, Director, Achanakmar-Amarkantak biosphere reserve, Shri A. S. Nath, Range Officer, Chhaparwa, Shri Yasvant Shyamle, Forester, Shri Prakash Singh, Forester, Shri Bhushan Manikpuria Forest Guard and Shri Santosh Kumar Dhruw, Forest Guard, accompanied to visit the sites and provided all relevant information pertaining to the activities carried out. Recorded GPS (make-Garmin) data of all the sites and geo-referenced (Fig. 1). Taken photographs of all the sites as documentary proof of the work done and monitored.

LOCALITY VISITED

Chhaparwa range (Barpani, Maikumath and Tatipathara), Lamni range (Chhirhatta and Kirkota) and Surhi range (Bamhani).

MONITORING AND EVALUATION OF DEVELOPMENTAL ACTIVITIES

CONSTRUCTION OF PONDS/CHECK DAM

A total of seven check dam/ponds were constructed in different forest ranges of the biosphere reserve and their details are presented in Table 1. All these check dam/ponds are located in core zone of Achanakmar-Amarkantak biosphere reserve and constructed during the period, January-March, 2016 after the funds were made available. These water bodies will be useful for wild animals of biosphere reserve in all seasons for drinking water. The observations on construction of check dam/ponds are mentioned as caption in the photographs of different sites (Fig. 2-8). During the monitoring and evaluation of developmental activities, good numbers of wild animals were found grazing in and around the sites (Fig 9). This observation shows the right decision of biosphere reserve management and justifies the construction of check dam/ponds in the proposed sites of core zone of biosphere reserve.
Fig. 1: Map of Achanakmar-Amarkantak biosphere reserve showing construction of check dam/ponds in different sites of biosphere reserve during 2015-2016

Table 1: Details about sites of construction of check dam/ponds in Achanakmar-Amrakanatk biosphere reserve during 2015-2016

<table>
<thead>
<tr>
<th>Site No.</th>
<th>Range</th>
<th>Beat</th>
<th>Compartment No</th>
<th>Coordinates</th>
<th>Altitude (ft)</th>
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<td>Kirkota</td>
<td>RF-291</td>
<td>N 22°33'55.5&quot; E 081°42'56.8'</td>
<td>1900</td>
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<tr>
<td>2</td>
<td>Lamni</td>
<td>Chhirhatta</td>
<td>RF-341</td>
<td>N 22°31'10.0&quot; E 081°40'59.2'</td>
<td>1541</td>
</tr>
<tr>
<td>3</td>
<td>Chhaparwa</td>
<td>Tatipathara</td>
<td>RF-205</td>
<td>N 22°27'08.4&quot; E 081°49'05.4'</td>
<td>1686</td>
</tr>
<tr>
<td>4</td>
<td>Chhaparwa</td>
<td>Tatipathara</td>
<td>RF-206</td>
<td>N 22°26'41.6&quot; E 081°49'01.5'</td>
<td>1298</td>
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<tr>
<td>5</td>
<td>Chhaparwa</td>
<td>Maikumath</td>
<td>RF-211</td>
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<tr>
<td>6</td>
<td>Chhaparwa</td>
<td>Barpani</td>
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<tr>
<td>7</td>
<td>Surhi</td>
<td>Bamhani</td>
<td>RF-510</td>
<td>N 22°25'41.1&quot; E 081°43'45.7'</td>
<td>1382</td>
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</tbody>
</table>
Fig. 2: Construction of check dam/pond - Site 1
(Photo dated 08.06.2016)
Range - Lamni, Beat-Kirkota, Compartment No. RF-291
Length-60 m and height-13 m (10 m above ground+ 3 m below ground)
Presence of mixed forest
Fig. 3: Construction of check dam/pond - Site 2  
(Photo dated 08.06.2016)  
Range-Lamni, Beat- Chhirhatta, Compartment No. RF-341  
Length-70 m and height-10 m (7 m above ground + 3 m below ground)  
Presence of mixed forest. Observed water source.  
Recorded pugmark of panther and other wild animals
Fig. 4: Construction of check dam/pond - Site 3  
(Photo dated 08.06.2016)  
Range- Chhaparwa, Beat- Tatipathara, Compartment No. RF-205  
Length-58 m and height-10 m (7 m above ground + 3 m below ground)  
Presence of mixed forest
Fig. 5: Construction of check dam/pond - Site 4
(Photo dated 08.06.2016)
Range - Chhaparwa, Beat- Tatipathara, Compartment No. RF-206
Length-90 m and height-10 m (7 m above ground + 3 m below ground)
Presence of mixed forest
Fig. 6: Construction of check dam/pond - Site 5
(Photo dated 08.06.2016)
Range- Chhaparwa, Beat- Tatipathara, Compartment No. RF-211
Length-70 m and height-10 m (7 m above ground + 3 m below ground)
Presence of mixed forest
Fig. 7: Construction of check dam/pond - Site 6
(Photo dated 08.06.2016)
Range- Chhaparwa, Beat- Barpani, Compartment No. RF-231
Length-55 m and height-10 m (7 m above ground + 3 m below ground)
Presence of mixed forest
Fig. 8: Construction of check dam/pond - Site 7  
(Photo dated 08.06.2016)  
Range- Surhi, Beat- Bambhani, Compartment No. RF-510  
Length-52 m and height-10 m (7 m above ground + 3 m below ground)
Fig. 9: Wild animals in and around the check dam/ponds in Achanakmar-Amarkantak biosphere reserve. (Photo dated 08.06.2016)
COMMENTS ON WORK DONE UNDER THE MANAGEMENT ACTION PLAN

Government of India, Ministry of Environment, Forests and Climate Change, New Delhi, sanctioned a grant-in-aid to Government of Chhattisgarh for Rs. 295.42 lakhs to implement the Management Action Plan of Achanakmar-Amarkantak biosphere reserve for the year 2015-2016 as per details given in annexure I. The installment of the grant-in-aid, i.e. Rs. 72.38 lakhs (Annexure II) was released to undertake the work of the biosphere reserve. The authorities prioritized the activities keeping in mind the terms and conditions of the grant sanctioned (Annexure III).

RECOMMENDATIONS

The grant-in-aid released by Government of India, Ministry of Environment, Forests and Climate Change, New Delhi has been utilized Rs. 72,14,305 by the biosphere reserve authorities for the activities it was sanctioned (Annexure IV). It has been mentioned in the utilization certificate that the remaining unutilized amount Rs. 23, 695 will be adjusted towards the grant-in-aid as second installment payable during 2016-17 (Annexure V). The team felt the need of immediate release of remaining allotted amount so as to execute the activities of the approved action plan.

The funding agency is also requested to convey the approval of Annual Management Action Plan to the implementing agency in the first quarter of the financial year, so that the sanctioned physical and financial targets could be achieved more effectively during the financial year.

References


(Dr. N. Roychoudhury)
### Summary of the work done under the management action plan 2015-16

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<th>Budget sanctioned (Rs. in lakh)</th>
<th>Budget allotted (Rs. in lakh)</th>
<th>Proposed activity</th>
<th>Physical target</th>
<th>Cost per unit (Rs. in lakh)</th>
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Annexure I

F. No.-9/03/2011-CS/BK-133
Government of India
Ministry of Environment, Forests & Climate Change (CS-I Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj
New Delhi-110003
Dated: 31st August, 2015

To,
The Principal Pay and Accounts Officer,
Ministry of Environment, Forests & Climate Change
New Delhi

Sub: Release of Grants-in Aid (Plan) to the Department of Forests, Government of Chattisgarh, for implementation of Management Action Plan (MAP) 2015-16 in respect of Chattisgarh part of Achanakmar-Amarkantak Biosphere Reserve (AABR).

Sir,

I am directed to convey the sanction of the President of India to the grant of Administrative Approval & Expenditure Sanction (AA & ES) for the implementation of Management Action Plan (MAP) 2015-16 for conservation and management of Chattisgarh part of Achanakmar-Amarkantak Biosphere Reserve for an estimated amount of Rs 295.42/- lakhs (Rupees Two Crore Ninety Five Lakhs Forty Two Thousand Only) to the Department of Forests, Government of Chattisgarh to carry out their proposed item of activities as detailed in Annexure – I attached to this sanction letter.

2. The approval of the President of India is also conveyed to carry forward unspent balance of Rs. 3,83,005/- (Rupees Three Lakhs Eighty Three Thousand Five Only) from 2014-15 to 2015-16.

3. The approval of the President is also conveyed for release of Rs. 80.00/- lakhs (Rupees Eighty Lakhs Only) to the State Government of Chattisgarh for the implementation of Management Action Plan during 2015-16. However, actual amount to be released as first installment is Rs.76,16,995/- (Rupees Seventy Six Lakhs Sixteen Thousand Nine Hundred Ninety Five only) (i.e. Rs. 80,00,000/- minus Rs.3,83,005/- unspent balance of 2014-15). In accordance with the Ministry of Finance, Department of Expenditure’s OM No. 555(5)/PF.II/2011 dated 06.01.2014, 10% of the released amount may be earmarked/Utilized by the State Government towards flexi-funds component.

4. Previous Consolidated Utilization Certificate for implementation of Management Action Plan of 2013-14 for Rs. 2,46,16,995/- (Two Crore Forty Six Lakhs Sixteen Thousand Only) against the available amount of Rs. 2,50,00,000/- (Two Crore Fifty Lakhs Only) is enclosed at Annexure II.

5. The sanction is subject to the terms and conditions detailed in Annexure – III attached with this sanction.

6. Implementing Agency (IA) of this Management Action Plan is Department of Forests, Government of Chattisgarh and funds shall be made available to the IA without delay or diversion for any other purpose.

7. The above mentioned grant further subject to the following conditions:

(i) State Government is requested to constitute a steering committee for review and monitoring of the implementation of MAP 2015-16 and periodically inform the same to the Ministry of Environment, Forests & Climate Change.
(ii) The Management authority of the Biosphere Reserve (BR) will annually compile information on various schemes/ programmes being undertaken by the Agencies/ Department within the jurisdiction of the BR and reflect the same while formulating future plans for the BR.

(iii) Certificate of civil works is required to be submitted by the State Government mentioning, wherever applicable, that the rates are applicable as per the Schedule of Rates of Rural Engineering Services Department, Chattisgarh.

(iv) Local Level Committee for Chattisgarh part of AABR, Chattisgarh, shall include a woman representative from Panchayat Raj Institution in the Committee for empowerment of women.

8. Further release of funds will be made on receipt in prescribed proforma of Utilization Certificate, Progress Report on physical and financial targets achieved along with the latlongs embodied in the and Monitoring Report duly vetted by State Level Steering Committee.

9. Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Chattisgarh, shall ensure that the funds released for implementation of the MAP during 2015-16 shall be utilized on the approved components & sites of Chhattisgarh part of AABR and duplication, if any, should be avoided.


11. In accordance with the revised procedure, the Reserve Bank of India may please be advised for debiting the amount of Rs. 76,16,995/- (Rs Seventy Six Lakhs Sixteen Thousand Nine Hundred Ninety Five Only) to the account of the Ministry of Environment, forests & Climate Change and passing on the credit to the Central Accounts Section, Nagpur, for transfer to the State Government of Chattisgarh in the books of the latter.

12. The expenditure incurred will be debited to Major Head 3601.02.656.06.01.31-Grants-in-Aid to States under Demand No. 32, Ministry of Environment, Forests & Climate Change, during current financial year 2015-16.

13. The Government of India shall depute any person to visit the site/Implementing Agency for the purpose of monitoring the project work. Full facility shall be provided by the IA to the person deputed for inspection by the Government of India.

14. Violation of any of the terms may result in recovery of the amount granted for the Scheme.

15. The Sanction has been issued under the powers delegated to the Ministries/ Departments with the concurrence of Integrated Finance Division vide their Dy. No.Dir(IFD) 1811 dated 20th August.

Yours faithfully

[Signature]

(Madhumita F) D/o

Copy to:

1. The Addl. Chief Secretary, Department of Forests, Government of Chhattisgarh, Raipur.
2. The Secretary, Finance Department, Government of Chhattisgarh, Raipur.
3. Special Secretary, Forest Department, Government of Chhattisgarh, Muntrakul, Mahanadi Bhawan, New Raipur.
6. Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden, Aranya Bhawan, Medical College, Road, Raipur, Chhattisgarh – 492 001.
7. Director, Achanakmar-Amarkantak Biosphere Reserve, Bilaspur, Chhattisgarh.
10. Advisor (D)/IFD/Sanction folder/Guard file.

Yours faithfully

[Signature]
(Madhumita Biswas)
Director
फार्मालय—मुख्य घन संरक्षक (वन्यजानी) एवं परियोजना संचालक,
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Email : fielddir.atr@rediffmail.com, wildlifeof@gmail.com, Ph./Fax No. (O) - 07752-260070

क्रमांक/प्रा./व/य/2015/ 2015-.

विषय— 6771 अध्यक्षमार टाइगर रिजर्व का विकास मद में हे विश्वास की विश्व य वर्ष 2013-14 में करेंगे गाय काम के उपयोगिता प्रमाण पत्र में छुटा के संबंध में।

संदर्भ— आधार पत्र क्र/वय/81 दिनांक 10.02.2015

—0—

उपरोक्त विषयावली संदर्भ में लेख है कि केन्द्र अधिकाय योजना 6771 अध्यक्षमार टाइगर रिजर्व का विकास मद हे विश्व य वर्ष 2013-14 में राष्ट्रीय रूप से 25.63 लाख रुपए कर्ज के लिए आपूर्ति प्राप्त हुआ।

आयोजित विभाग में निर्देश दिये गये है—

1. ग्राम आपूर्ति से विभिन्न वन्यजानों के लिए प्राप्त करें जानें।
2. जो कार्य JFM एवं Awareness Activity से संबंधित है उसके भित्र उप संचालन, अध्यक्षमार टाइगर रिजर्व से समय स्थापित करें जानें।
3. जो कार्य की विद्युत प्रवाह वाणिज्य विभाग की विभाग से तकनीकी सलाह देंगे।

उपरोक्त दिये गये निर्देशों का पालन किए जाना सुनिश्चित करते हुए प्रति साल 07 दिन के भीतर प्रस्तुत करें, ताकि कार्य कार्य किया जा सके।

संबन्ध— उपरोक्तानुसार।

पु. क्रमांक/प्रा./वय/2015/ 2015-.

प्रति— उप संचालन, अध्यक्षमार टाइगर रिजर्व, वन्यजानों के संरक्षण में हे विश्व य वर्ष 2013-14 में करेंगे गाय काम। उपरोक्त दिये गये निर्देशों का पालन किए जाना सुनिश्चित करें।

मुख्य घन संरक्षक (वन्यजानी)
एवं परियोजना संचालक, अध्यक्षमार टाइगर रिजर्व
बिलासपुर (छुटा)

D/CCE(Wild Life)Exp (Budget 2013-14)Budget 2013.doc

688
### Annexure III

**ACTIVITIES PROPOSED FOR THE IMPLEMENTATION OF MANAGEMENt ACTION PLAN 2015-16**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Activities</th>
<th>Units</th>
<th>Physical Target (In Rs. lakhs)</th>
<th>Financial Target (Rs. In lakhs)</th>
<th>Location</th>
<th>Range</th>
<th>Justification</th>
<th>Expected Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>construction of check dams/ponds</td>
<td>No. 1</td>
<td>10.00</td>
<td>2.00</td>
<td>29016F</td>
<td>22°43'02.6&quot;N 5°42'33.3&quot;E</td>
<td>Larni</td>
<td>To ensure availability of adequate drinking water for wild animals in all seasons</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No. 2</td>
<td>10.00</td>
<td>2.00</td>
<td>54116F</td>
<td>22°51'34.7&quot;N 83°49'59.6&quot;E</td>
<td>Larni</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>No. 3</td>
<td>12.00</td>
<td>2.00</td>
<td>51016F</td>
<td>22°28'15.6&quot;N 83°44'41.3&quot;E</td>
<td>Suchi</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>No. 4</td>
<td>12.00</td>
<td>2.00</td>
<td>38016F</td>
<td>22°17'105.5&quot;N 83°59'30.3&quot;E</td>
<td>Chhiparwa</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>No. 5</td>
<td>10.00</td>
<td>2.00</td>
<td>21116F</td>
<td>22°27'56.1&quot;N 83°09'42.1&quot;E</td>
<td>Ahoenskm nr</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>No. 6</td>
<td>10.00</td>
<td>2.00</td>
<td>26516F</td>
<td>22°27'01.8&quot;N 83°49'32.7&quot;E</td>
<td>Ahoenskm nr</td>
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<td></td>
<td></td>
<td>No. 7</td>
<td>10.00</td>
<td>2.00</td>
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<td>22°17'30.5&quot;N 83°49'20.5&quot;E</td>
<td>Ahoenskm nr</td>
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## Expenditure statement for fund released during year 2015-16 (March 2016)

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Name of work</th>
<th>Physical Target (Units)</th>
<th>Cost per Unit (Rs. lakhs)</th>
<th>Financial Target (Rs. In)</th>
<th>Physical Achievement (Rs. In)</th>
<th>Financial Achievement (Rs. In Rs)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CONSTRUCTION OF PONDS</td>
<td>1</td>
<td>10.00</td>
<td>10.00</td>
<td>1</td>
<td>994286.00</td>
<td>291 Korkota 22°34'02.6&quot; N 81°42'53.3&quot; E</td>
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<td></td>
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<td>1</td>
<td>10.00</td>
<td>10.00</td>
<td>1</td>
<td>98625.00</td>
<td>341 Chhiratta 22°31'10.3&quot; N 81°40'59.6&quot; E</td>
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<td>1</td>
<td>10.00</td>
<td>10.00</td>
<td>1</td>
<td>988787.00</td>
<td>205 Tatipathara 22°27'7.8&quot; N 81°49'6.3&quot; E</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>12.00</td>
<td>10.38</td>
<td>1</td>
<td>1034044.00</td>
<td>206 Tatipathara 22°26'39.7&quot;N 81°49'01.2&quot; E</td>
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<tr>
<td></td>
<td></td>
<td>1</td>
<td>10.00</td>
<td>10.00</td>
<td>1</td>
<td>998787.00</td>
<td>211 Maikumath 22°26'21.1&quot; N 81°49'44.1&quot; E</td>
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<td></td>
<td>1</td>
<td>10.00</td>
<td>10.00</td>
<td>1</td>
<td>998787.00</td>
<td>231 Barpani 22°29'56.8&quot; N 81°48'47.1&quot; E</td>
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<td>1</td>
<td>12.00</td>
<td>12.00</td>
<td>1</td>
<td>119989.00</td>
<td>510 Samhanti 22°28'40.5&quot; N 81°43'47.9&quot; E</td>
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<td>Total</td>
<td></td>
<td>74.00</td>
<td>72.38</td>
<td></td>
<td>7214305.00</td>
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</table>

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Director  
Achanakmar- Amarkantak Biosphere  
Reserve Bilaspur (C.G.)
ANNEXURE -I

FORM GFR 19 – A
[See Government of India’s Decision (1) under Rule 150]

Utilization Certificate

<table>
<thead>
<tr>
<th>S N</th>
<th>Letter No. &amp; Date</th>
<th>Amount (Rs.) in lakhs</th>
</tr>
</thead>
</table>

Certified that out of Rs. 2,95,42,000/- of grants-in-aid sanctioned during the year 2015 - 16, in favor of Department of Forests, Chhattisgarh for implementation of Management Action Plan (MAP) 2015-16 for the Chhattisgarh part of Achanakmar – Amarkantak Biosphere Reserve sanction for Rs. 72,38,000 and release as First installment Under the Ministry letter No. given in the margin, against that a sum of Rs. 72,14,305/- has been utilized for which it was sanctioned. Rs. 23,695/- unutilized & Rs. Nil surrendered will be adjusted towards the grants-in-aid as Second installment payable during 2016-17.

Total - 72.38

Certified that I have satisfied my-self that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised.
1. Measurement and check measurement by the SDOs/Ros.
2. Regular monitoring
3. Checking of quality of materials
4. Engaged skilled labours

( C.L. Agrawal )
Director
Achanakmar-Amarkantak Biosphere Reserve Bilaspur (C.G.)