**Supplementary Data Sheet 1**

Questionnaire used during the interview in villages in and around Satkosia Wildlife Division, Angul, Odisha. The questions with asterisk (\*) were not analyzed in this study.

**AUGMENTATION AND RECOVERY OF TIGER POPULATION IN SATKOSIA TIGER RESERVE, ODISHA**

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| **General Information**  |  |  |
| ***Date*** | ***Time (start):***  | ***Time (end):***  |
| ***Village name***  | ***Name of the interviewer*** |  |

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| **Family Profile**  |  |  |  |  |  |  |
| ***Name of the Respondent*** |  |  | ***Total family members***  |  |  |  |
| ***Family member*** ***(relation to respondent)***  | ***Gender*** ***1-****Male****2-****Female* | **Age group** **1**-(10-18 yrs);1. (18-25yrs);
2. (25-40 yrs);
3. (40-65 yrs);
4. (>65 yrs)
 | **Education** **received** | **Occupation#** | **Working months**  | **Income** **(annual)**  | **Skill sets** *(Training received/traditional skills/others)*  |
| ***(1) Respondent***  |  |  |  |  |  |  |  |
| ***(2)***  |  |  |  |  |  |  |  |
| ***(3)***  |  |  |  |  |  |  |  |
| ***(4)***  |  |  |  |  |  |  |  |
| ***(5)***  |  |  |  |  |  |  |  |
| ***(6)***  |  |  |  |  |  |  |  |
| ***(7)***  |  |  |  |  |  |  |  |
| ***(8)***  |  |  |  |  |  |  |  |
| ***(9)***  |  |  |  |  |  |  |  |
| ***(10)***  |  |  |  |  |  |  |  |
| ***(11)***  |  |  |  |  |  |  |  |
| ***(12)***  |  |  |  |  |  |  |  |
| ***(13)***  |  |  |  |  |  |  |  |
| ***(14)***  |  |  |  |  |  |  |  |
| ***(15)***  |  |  |  |  |  |  |  |

**# 1**-Can work but Unemployed; **2**-Cannot Work (Chronic disease/physically challenged); **3**-Daily wage laborer; **4**-Farmer; **5**- Grazer; **6**-Eco-Tourism; **7-** Private job (salaried); **8-**Business/Shopkeeper; **9**- Petty shop (roadside seller); **10**-Govt Employee; **11**-Employed by forest department; **12-** Earning through rent from vehicle/land; **13-**Driver (self-employed)

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| ***Identification Document respondent holds***  | **1-**Aadhar Card1. Voter ID
2. PAN Card

**4**-Driving License | **5**-Ration Card**6**-Birth Certificate**7**- Caste Certificate |
| ***Economic status***  | **1-**APL **2-** BPL **3-**Antyodaya **4-** Annapurna **5-** No Card |  |
| ***Whether receive ration from PDS regularly?***  | Yes No |  |

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| **Health Care facilities**  |
| ***Medical facilities available during emergency***  | Yes No |
| ***Whether practice traditional medicine***  |  Yes No |

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| **Facilities and amenities**  |  |
| ***House type***  | ***Walls****:* **1**-Mud; **2**- Brick; **3**-Concrete  | ***Roof:*** **1-** Thatched; **2**-Tiled; **3-**Asbestos Sheets; **4-** Concrete |
| ***Plant material used in construction***  | **0-**Not used; **1**-Yes Plant species used \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| ***Household amenities***  | **1-**TV **2-** Radio **3**-Fan **4**- Bulbs **5**-Kerosene (oil) lamp **6**-Refrigerator **7**-Mobile Phone  |
| ***Communication\**** ***(Source of Information)***  | **1**-TV **2-**Radio **3-** Newspaper **4-**Mobile Phone **5**-Social media/Internet **6**-Other villagers **7**-Outsiders  |
| ***Power Source***  | **1-**Electric lines; **2-** Solar panel |
| ***Sanitation facility***  | **0-**No sanitation facility; **1-** Self Constructed toilet; **2-** Govt. Sponsored |
| ***Water Source\* (Domestic use)***  | **1-**PrivateHand pump**2-**Private well1. Govt. Hand pump
2. Govt Well
 | 1. Tube well
2. Nala
3. Pond

**8-**Pipeline |
| ***Vehicles*** ***(Mention number in brackets)***  | **0-**No Vehicle**1-**Cycle (\_\_\_\_\_\_\_)**2-**Two wheeler (\_\_\_\_\_\_\_)**3-**Three wheeler(\_\_\_\_\_\_\_)1. Four Wheeler Light (\_\_\_\_\_\_\_)
2. Four wheeler heavy (\_\_\_\_\_\_\_\_)
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| **Cooking Fuel**  |  |
| ***Cooking stove***  | **1-**Traditional chulha1. Smokeless chulha
2. Electric coil stove
3. Gas (LPG) stove
 |  **Whether refilling LPG?**  |
| ***Cooking Fuel***  | **1-**Firewood1. Coal
2. Charcoal
3. LPG
 | 1. Dung cakes
2. Kerosene

**7-**Loose biomass |
| ***Tree species for firewood\****  |  |
| ***Firewood requirement in summer (March-June)\****  |  | ***Firewood requirement in monsoon (July-September)\****  |  |
| ***Firewood requirement in winter (October-February)\****  |  |  |
| ***Source of firewood***  | **1-**Trees planted on private land**2-** forest inside tiger reserve | 1. forest outsidetiger reserve
2. fallow land and shrubland
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| **Benefit from Government Schemes**  |  |
| ***Scheme name***  | ***Beneficiary since (Year)*** |
| 1) Biju Swastya Kalyan Yojana  |  |
| 2) Mukhyamantri Krishi Udyog Yojana  |  |
| 3) Mukhyamantri Abhinav Krishi Yantripati Samman Yojana  |  |
| 4) Bhoochetana  |  |
| 5) Odisha Free Smartphone Yojana for Women Farmers  |  |
| 6) Odisha Sahaya Scheme  |  |
| 7) Odisha Nidan Scheme  |  |
| 8) Mobile for Farmers  |  |
| 9) Odisha Fish Pond Yojana  |  |
| 10) Mukhyamantri Medhabruti Puraskar Yojana  |  |
| 11) Sudakhya Yojana to Encourage Girls for Technical Education  |  |
| 12) Chief Ministers Employment Generation Scheme (CEGS)  |  |
| 13) Buxi Jagabandhu Assured Water Supply to Habitations (BASUDHA) Scheme  |  |
| 14) SWARNA  |  |
| 15) Mukhyamantri Adibandha Yojana  |  |
| 16) Malatidevi Prak Vidayalaya Paridhan Yojana and Ganagadhar Meher Siskhya Manakbrudhi Yojana  |  |
| 17) Mukhyamantri Swasthya Seva Mission  |  |
| 18) Mukhyamantri Mahila Sashaktikaran Yojana  |  |
| 19) Biju Kanya Ratna Yojana  |  |
| 20) Nirman Shramik Pucca Ghar Yojana  |  |
| 21) Anwesha Scheme  |  |
| 22) Aahaar Yojana  |  |
| 23) Biju Gaon Gadi Yojana  |  |
| 24) Biju Saharanchala Vidyutikaran Yojana (BSVY)  |  |
| 25) Deep Borewell Secha Karyakrama  |  |
| 26) Madhu Babu Pension Yojana  |  |
| 27) Vasundhara Scheme  |  |
| 28) Kishori Shakti Yojana  |  |
| 29) Biju Gram Jyoti Yojana (BGJY)  |  |
| 30) Mo Jami Mo Diha  |  |
| 31) Pradhanmantri Gram Awas Yojana  |  |
| 32) Indira Awas Yojana  |  |
| 33) Pradhanmantri Ujjwala Yojana  |  |
| 34) Biju Krushak Kalyan Yojana  |  |
| 35) Rashtriya Swasthya Bima Yojana  |  |
| 36) KALIA (Krushak Assistance for Livelihood and Income Augmentation)  |  |
| 37) Swachha Bharat Abhiyan |  |

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| **Benefit from any outside agency/organization (Forest department/ NGOs/Self-help groups)**  |  |
| ***Organization***  | ***Benefits/Support***  | ***Year***  | ***Presently receiving?***  | ***Whether satisfied?***  |
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| **Agriculture**  |  |
| ***Land Ownership***  | **0-**No land**; 1-**self; **2-**rented | **Land size:** \_\_\_\_\_\_\_\_\_\_\_\_ acres |
| ***Frequency of cultivation\****  | **1-**Once a year **2-**Twice a year **3-**Thrice a year |
| ***Crops grown\****  | **1-**Wheat**2-**Rice **3**-Biri**4-**Pulses | **5-**Vegetables**6-** Oil seed crops**7-**Fruits |
| ***Water source for irrigation\****  | **1-**Private Well **2-**Govt Well **3-**Tubewell **4-**Canal **5-**Nala |
| ***Agriculture equipment***  | **1-**Plough **2-**tractor **3-**Bullock cart **4-**Pedal/Diesel pump **5-**Sprayer **6-** Thrasher **7-** Others **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  |
| ***Income from selling crops***  |  | ***Market for selling***  |  |
| ***Income from timber species in the crop field and private land***  |  | ***Market for selling***  |  |

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| **Livestock/Animal husbandry**  |  |  |
| ***How many animals?***  |  |  |  |
|  | **1-**Cow **2**-Calf **3-**Buffalo  | **4-**Goat**5**-Bull **6-**Pig  | **7-**Sheep**8-**Poultry **9-**Honey Bees  |
| ***Animal products sold:***  | **1-**Milk**2-**Eggs**3-**Ghee | **4-**Cheese**5-**Meat**6-**Honey | **7-**Curd**8-**BeesWax |
| ***Income from animal products:***  |  | ***Market for selling***  |  |
| ***Fodder source:***  | **1-**Crop Residue**2-**Fallow Land**3-**Grazing in forest (inside the Tiger Reserve)  | **4-**Grazing in Forest (outside the Tiger Reserve)**5-**Purchasing the fodder |  |

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| **Other occupations**  |
| **HANDICRAFTS**  |
| ***Income from handicrafts***  |  |
| ***Market for selling***  |  |
| ***Satisfied with the market available to sell your products***  | **1-**Yes **2-**No **3-**Can be improved **4-** Unsure **5-**No opinion |
| **TOURISM**  |
| ***Income from tourism***  |  |
| ***Indirect benefits from tourism***  |  |
| **FISHING**  |
| ***Fishing for self-consumption***  | **0-**No fish consumption **1-**Frequently **2-** Rarely |
| ***Income from fishing/pisciculture***  |  | **Market for selling**  |  |

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| **Resources from Forest**  |  |
| ***Medicinal plants***  |  |
| ***For food***  |  |
| ***NTFP for selling***  |  |
| ***NTFP collection months***  |  | ***No. of people engaged in NTFP collection***  |  |
| ***Income from selling NTFP***  |  | ***Market for selling***  |  |

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| **Perception and awareness**  |  |
| ***Sacred plants***  |  |
| ***Sacred animals***  |  |
| ***Importance of forest conservation***  | **1-**Yes**2-**No**3-**Unsure**4-**Noopinion | **1**-Monetary benefits **2-**ForestResource availability **3-**Cleaner Environment**4-**Regulated climate **5-**To support wildlife and biodiversity**6-**Traditional Values **7-**Aesthetics **8-**No opinion  |
| ***Importance of Wildlife Conservation***  | **1-**Yes**2-**No**3-**Unsure**4-**Noopinion | **1-**Ecological Balance **2-**Religious Beliefs **3-**Ancestral Beliefs **4-**Aesthetics **5-**Indirect monetary benefits **6-**No Opinion **7**-No Benefits |
| ***Which animals are sighted near village?\****  | **1-**Elephant **2-**Tiger **3-**Leopard **4-**Sloth Bear **5-**Jackal **6-**Fox **7-**Civet | **8-**Leopard cat **9-**Jungle cat**10-**Mongoose **11-**Wild boar **12**-Gaur **13-**Mouse deer **14-**Barking deer | **15-**Spotted deer **16-**Sambar **17-**Porcupine **18-**Giant squirrel **19-**Peacock **20-**Snakes  |
| ***Directly or indirectly benefitted from wild animals? \**** | **0-**No; **1**-Yes |
| ***Faced any losses due to wildlife?***  | **0-**No losses**1-**Attack on human**2-**Loss of human life | **3-**Loss of livestock **4-**Crop depredation**5-**Loss of property  |
| ***Which animals destroy crops?\****  | **1-**Elephant**2 -**Wild Boar**3-**Sambar**4-**Gaur  | **5**- Monkeys**6-**Barking Deer**7-**Parakeet |
| ***Which crops are most raided?\****  |  |
| ***Which measures are effective?\****  | **1-**Self-guarding**2-**Guarding by forest staff**3-**Crackers**4-**Fire | **5-**Torch lights**6-**Noise **7-**Trench **8-**All  |
| ***Effectiveness of measures\**** | **1.** Always work; **2-**Never works;  **3**- sometimes; **4-**Rarely |
| ***Whether received compensation for losses?***  | **1-**Always**2-**Sometimes **3**-Rarely | **4**-Never received**5**-Yes, but late **6**-Not claimed |
| ***Whether satisfied with compensation?***  | **1**- Yes **2-** No **3-**Can be better |
| ***SUGGESTIONS to make compensation better***  |  |
| ***Preventive measures for crop raiding\**** | **1-**Self-guarding**2-**Guarding by forest staff**3-**Crackers**4-**Fire | **5-**Torch lights **6-**Noise **7-**Trench**8-**Hapara |
| ***Methods to avoid conflict with wildlife\****  | **1-** Fencing **2-**Trench**3-**Fire Crackers**4-**More Compensation **5**-SpeedyCompensation | **6**-Capture of animal**7-**Stone wall**8-**No Opinion**9-**Tolerance **10-**Relocation |
| ***Has Forest Department been cooperative with you?***  | **1-**Always **2-**Sometimes **3-**Rarely **4-**Never |
| ***Whether any restrictions from Forest Department affect your day to day life?***  | **1-**Always **2-**Sometimes **3-**Rarely **4-**Never |

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| **TIGER CONSERVATION**  |  |
| ***Importance of tiger conservation***  | **1-**Yes **2**-No **3-**Don’t know **4-**No response |
| ***Aware of the tiger translocation project?***  | **0-**Not aware1. heard on TV
2. Newspaper
3. Other Villagers
4. Forest Staff
 |
| ***Experienced problem or have any concerns regarding effect of tiger release in the TR?***  | **1-**No problems**2-**Threat to human life**3-**Threat to livestock**4-**Restricted movement in the forest**5-**Restricted movement in village after sunset |

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| **RELOCATION AND ALTERNATE LIVELIHOOD**  |
| ***Heard about village relocation?\****  | **1-**Yes **2-** No **3-** Unsure **4-** No Response |
| ***Whether they know about the PROCESS OF RELOCATION?\****  | **1-**Yes **2-** No **3-** Partially |
| ***Willingness to relocate\****  | **1-** Yes **2-**No **3-**Yes,with better compensation **4-**Not sure **5-**No response |
| ***If not, why would you prefer to stay inside TR?\****  | **1**-Sentiments **2-**Aesthetic value of forest | **3**-Not enough compensation **4-**Better resource availability |
| ***Alternate livelihood\****  | **1-**Apiculture**2-**Pisciculture**3-**Poultry**4**-Handicraft**5-**Eco-tourism | **6-**Hardware (repairing skills)**7-**Stitching/sewing**8-**Manufacturing based**9-**Business **10**-Mushroom farming **11**-No opinion |
| ***Whether they have any knowledge/skills/ training about the alternate livelihood they have suggested?\****  |  **Knowledge \***1. Yes
2. No
 | **Skills/Training\*** 1. Skilled/trained
2. Requires skills or training
 | **Financial support\*** 1. Will require financial support
2. Will not require financial support

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| **Remarks/Comments**  |  |
| **Response of respondent\*** | **1-** Cooperative**2-**Nervousyet cooperative1. Apprehensive and concealed information
2. Angry yet cooperative
 |