

**MINUTES OF 36<sup>th</sup> ESZ EXPERT COMMITTEE MEETING FOR THE DECLARATION OF ECO-SENSITIVE ZONE (ESZ) AROUND PROTECTED AREAS (WILDLIFE SANCTUARIES/NATIONAL PARKS/TIGER RESERVES) HELD ON 18<sup>th</sup> JULY 2019 IN THE MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE**

The 36<sup>th</sup> meeting of Expert Committee on Eco-Sensitive Zone was held under the Chairmanship of Shri Ravi Agrawal, Additional Secretary on 18<sup>th</sup> July, 2019 in the Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, New Delhi. List of participants is annexed.

2. At the outset, the Chairman welcomed the Members and the participants from the States of Jharkhand, Uttarakhand, Uttar Pradesh and Maharashtra. Discussions on each of agenda item were taken up ad-seriatim.

3. Following 14 proposals, including thirteen (13) Eco-Sensitive Zone proposals and Doon Valley Notification in Uttarakhand were listed in the agenda for consideration. The representatives of respective State Government presented their proposal for the consideration of the Expert Committee:

<b>S. No.</b>	<b>State</b>	<b>Protected Area</b>	<b>Status</b>
1.	Uttarakhand	Amendment of Doon Valley Notification	For Amendment of Gazette Notification
2.	Jharkhand	Palkot Sanctuary	Draft Proposal
3.	Jharkhand	Udhwa Lake Bird Sanctuary	Draft Proposal
4.	Jharkhand	Hazaribagh Wildlife Sanctuary	Draft Proposal
5.	Jharkhand	Lawalong Sanctuary	Draft Proposal
6.	Jharkhand	Gautam Buddha Sanctuary	Draft Proposal
7.	Jharkhand	Palamau Tiger Reserve WLS	Draft Proposal
8.	Jharkhand	Parasnath and Topchanachi	Draft Proposal

<b>S. No.</b>	<b>State</b>	<b>Protected Area</b>	<b>Status</b>
		Sanctuary	
9.	Jharkhand	Koderma Sanctuary	Draft Proposal
10.	Uttar Pradesh	Soor Sarovar Bird Sanctuary	Draft Proposal
11.	Uttar Pradesh	National Chambal Sanctuary	Draft Proposal
12.	Uttar Pradesh	Vijay Sagar Bird Sanctuary	Draft Proposal
13.	Maharashtra	Tansa Wildlife Sanctuary	Expired Draft Proposal
14.	Maharashtra	Tungareshwar Wildlife Sanctuary	Draft Proposal

#### **4. Discussion on the ESZ Proposals**

##### **UTTARAKHAND**

#### **4.1 *Amendment of Doon Valley Notification, Uttarakhand***

The Government of Uttarakhand vide letter no. 122/X-3-19-13(04)/2018 dated 10.04.2019 requested MoEF&CC for amendment in the Doon Valley Notification, 1989.

Shri S.P. Subudhi, Member Secretary, Uttarakhand Environment Protection and Pollution Control Board made a presentation on the proposal.

It was mentioned that Doon Valley Notification was issued by Government of India on 1<sup>st</sup> February, 1989. The categorization of industries in the said Notification was based on the earlier system in place at that time and which has now been revised in the year 2016 by the Ministry. In order to make the notification compatible with new guidelines, the State Government has requested the Ministry to amend the relevant paragraphs of the Notification, which are as under:

- (a) Substitution of Para-(i) of the Doon Valley Notification-1989 by “As per directions related to categorization of industries as issued by CPCB from time to time.”
- (b) A new para VI “Environment Clearance will be required and granted as per the Environment Impact Assessment notifications dated 14 Sept, 2006 (As amended from time to time)” be inserted.

The Expert Committee considered the matter. For this purpose representatives of CPCB, CP Division and IA Division in the Ministry, were called as special invitees. The Committee was of the view that the new CPCB guideline on categorization of industries is based on scientific indexing of pollution i.e. scoring system, therefore, the new guideline be suitably incorporated in the notification, replacing the existing one. The Committee was also of the view that the concern raised by State Governments on EIA Notification, 2006 has already been incorporated vide S.O. No. 2128(E) dated 13.12.2007. Therefore, there may not be any need for inserting any para, as requested by the State Government. The State government agreed with the interpretation, as above.

Based on the presentation made and discussions held, the Committee recommended for amendment in the Notification by adopting the categorization as notified by the CPCB from time to time. The corresponding notification to amend the Doon Valley Notification, 1989, may be drafted in consultation with the State & CPCB. Accordingly the present categorization viz. red, orange and green, may be substituted with new guidelines for categorization of Industries providing for red, orange, green and white categories.

## **JHARKHAND**

### **4.2. *Palkot Wildlife Sanctuary, Uttarakhand***

Shri Dileep Kumar Yadav, DFO, Hazaribagh, Government of Jharkhand made a presentation on the proposal. It was informed that the draft ESZ Notification of Palkot Sanctuary, Jharkhand was published by the MoEF&CC *vide* S.O. 776(E) dated 22<sup>nd</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA : 183.18 sq. km

Proposed ESZ area : 1287.16 sq. km

Proposed Extent : 350 metre to 5 km

No comments were received from public/stakeholders on the draft notification. The Committee was apprised by the State Government that the draft Notification provided for presence of 101 villages within the Eco-sensitive Zone. In addition State has now provided another list of enclave villages in the ESZ for including it in the final Notification. The State government has also requested Committee to replace the name of the villages in the Notification, with the name available as per village code listed in the Census of India. It was also proposed by the State Government that DFO Territorial to be included as member of Monitoring Committee.

Based on the presentation made and discussions held, the Committee agreed to accept the suggestion of the State Government and recommended for the finalization of draft Notification with above said changes.

#### **4.3. Udhwa Lake Bird Sanctuary, Jharkhand**

Shri. Dileep Kumar Yadav, DFO Hazaribagh, Government of Jharkhand made a presentation on the proposal. It was informed that the draft ESZ Notification of Udhwa Bird Sanctuary, Jharkhand was published by the MoEF&CC *vide* S.O. No.

624(E) dated 9<sup>th</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA : 5.65 sq. km  
 Proposed ESZ area : 56.94 sq. km  
 Proposed Extent : 0.5 km to 2 km

On the calculation of ESZ area with respect to provided area of PA and extent of ESZ, the representative of the State revealed that the area of ESZ is larger due to inclusion of enclave villages located within the protected area into ESZ area.

No comments were received from the public/stakeholders on the draft notification. Further, the detail of villages has been updated with village code of Census of India. The Committee also agreed to the suggestion of State Government for inclusion of DFO Territorial as Member of the Monitoring Committee and Divisional Forest Officer-in charge of the Protected Area as Member Secretary of the Monitoring Committee.

Based on the presentation made and discussions held, the Committee recommended for the finalisation of draft Notification with above said changes.

#### **4.4. Hazaribagh Wildlife Sanctuary, Jharkhand**

Shri Dileep Kumar Yadav, DFO Hazaribagh, Government of Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification of Hazaribagh Wildlife Sanctuary, Jharkhand was published by the MoEFCC *vide* S.O. 695 (E) dated 16<sup>th</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA : 186.25 sq. km  
 Proposed ESZ area : 667.87 sq. km  
 Proposed Extent : 2 km to 5 km

The State representative informed the Committee that public consultation was held based on the comments received from stakeholders on the draft Notification. The issues raised by the public were duly considered and a few modifications have been made on the draft Notification. The following changes are proposed on draft to final Notification:-

- a) The area of ESZ area would be 573.86 sq. km with an extent of 900 meters to 5 kilometres.
- b) District Forest Officer - Territorial to be included as Member of the Monitoring Committee.
- c) Divisional Forest Officer - In charge of the protected area to be the Member Secretary of the Monitoring Committee.
- d) The number of villages will be reduced from 176 to 146 nos.
- e) List of villages to be updated as per the village code of Census of India.

Based on the presentation made discussions held, the Committee recommended for the finalisation of draft Notification with above said changes.

#### **4.5. Lawalong Sanctuary, Jharkhand**

Shri Dileep Kumar Yadav, DFO Hazaribagh, Government of Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification of Lawalong Sanctuary, Jharkhand was published by the MoEF&CC *vide* S.O. 775 (E) dated 21<sup>st</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA	:	211.03 sq. km
Proposed ESZ area	:	570.19 sq. km
Proposed Extent	:	1.80 km to 5 km

The State representative has informed the Committee that the comments received from the stakeholders/public were duly considered. The Committee was requested for updating names of villages as per the village code mentioned in Census of India. It was further mentioned that there is no change in ESZ area and

extent. A request was made before the Committee for inclusion of DFO territorial as Member of the Monitoring Committee.

Based on the presentation made and discussions held, the Committee recommended for the finalization of draft Notification with the above said changes.

#### **4.6. Gautam Buddha Sanctuary, Jharkhand**

Shri Dileep Kumar Yadav, DFO Hazaribagh, Government of Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification of Gautam Buddha Sanctuary, Jharkhand was published by the MoEFCC *vide* S.O. 777(E) dated 22<sup>nd</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA	:	121.224 sq. km
Proposed ESZ area	:	327.59 sq. km
Proposed Extent	:	0 (zero) to 5 km

No comments were received from the stakeholders/public on the draft Notification and no changes in ESZ area and extent have been made on the draft Notification. The Committee was informed that the Sanctuary has a wide range of biodiversity and it is considered as an important habitat for various wildlife and also serves as a corridor for migrating elephants. The Committee was requested for inclusion of DFO Territorial as Member of the Monitoring Committee.

Based on the presentation made and discussions held, the Committee recommended for the finalization of draft Notification, with above said change.

#### **4.7. Palamau Tiger Reserve, Jharkhand**

Shri. P. K. Das, CCF-FD, Palamau, Forest Department, Govt. of Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification

of Palamau Tiger Reserve, Jharkhand was published by the MOEFCC *vide* S.O. No. 779(E) 22nd February, 2018. The salient features of the draft Eco-Sensitive Zone (ESZ) are as follows:

Area of PA : 1042.52 sq. km  
 Proposed ESZ area : 1572.45 sq. km  
 Proposed Extent : 0 (zero) to 5 km (*Zero extent of ESZ is due to interstate boundary*)

Public consultation was held on the draft Notification and comments received were duly considered. Based on the public consultation, the State Government has proposed certain modifications on the draft Notification, such as, (i) area of ESZ to be reduced from 1572.45 sq. km to 1129.2 sq km. (ii) ESZ extent to be changed from 0 to 5.0 km to 0 to 6.6 km .and (iii) deletion of 23 villages from the draft Notification.

During the discussions, the Expert Committee pointed out that there is potential omission of certain forest land in the modified proposal. and insisted for inclusion of forest area in ESZ area, thereby increasing the total ESZ area. The State Government agreed on the observation of the Expert Committee. The State Government demonstrated the revised maps and made following changes in the notification and submitted the requisite maps.

- a) The area of ESZ would be 1253.49 sq km. with an extent of 0-7 km from the boundary of the protected areas.
- b) The number of villages would be 382 nos. (207 villages inside the ESZ and 175 as enclave villages) in the final Notification.
- c) DFO Territorial to be included as Member of the Monitoring Committee.
- d) DFO In-charge of the Protected Area to be nominated as Member Secretary of the Monitoring Committee.

Based on the presentation made and discussions held, the Committee agreed to the suggestions of the State Government and recommended for the finalization of draft Notification with above said changes.

#### **4.8. *Parasnath and Topchanachi Sanctuary, Jharkhand***

Shri Dileep Kumar Yadav, DFO Hazaribagh, Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification of Parsnath and Topchanachi Sanctuary, Jharkhand was published by the MoEFCC *vide* S.O. 798 (E) dated 26<sup>th</sup> February, 2018. The salient features of the draft Eco-Sensitive Zone (ESZ) are as follows:

Area of PA : 49.33 sq. km. & 12.82 sq. km  
 Proposed ESZ area : 352.77 sq. km  
 Proposed Extent : 0 (zero) to 5 km

The Committee was informed that the sanctuaries is an important wildlife corridor through Kulu/Nandan Pahar and is also home for various trees, shrubs and climbers.

The public consultation was held on the modified draft and comments received from the stakeholders/public were duly considered. The State has proposed some modifications on the draft Notification in the light of the public grievances/ comments received on the draft Notification:

- a) The extent of the ESZ proposed to be changed from 0 (zero) to 5 km to 0 (zero) to 25 km with total ESZ area of 208.82 sq. km.

Based on the presentation made and discussions held, the Committee recommended for the finalization of draft Notification with above said changes.

#### **4.9. *Koderma Wildlife Sanctuary, Jharkhand***

Shri Dileep Kumar Yadav, DFO Hazaribagh, Government of Jharkhand, made a presentation on the proposal. It was informed that the draft ESZ Notification of

Koderma Wild Sanctuary, Jharkhand was published *vide* S.O. 774(E) dated 22<sup>nd</sup> February, 2018. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA : 150.628 sq. km  
 Proposed ESZ area : 133.247 sq. km  
 Proposed Extent : 0 (zero) to 5 km

The Comments received from the stakeholders/public on draft notification were duly considered. The area is an important habitat for wild animals including elephants. The elephants from Palamu, Chatra and Giridh are also known to move through this Sanctuary. The State Government has requested Expert Committee for inclusion of DFO Territorial as member of the Monitoring Committee and DFO in-charge of the protected area as Member Secretary.

Based on the presentation made and discussions held, the Committee recommended for the finalization of draft notification with above said changes.

## **MAHARASHTRA**

### **4.10. Tansa Wildlife Sanctuary, Maharashtra**

Shri. V. P. Ghule DCF, Forest Department, Govt. of Maharashtra, made a presentation on the proposal. It was informed that the draft ESZ Notification of Tansa Wildlife Sanctuary, located in Thane and Palighat districts of Maharashtra was published by the MoeEFCC *vide* S.O. 2566(E) dated 10<sup>th</sup> August, 2017. The salient features of the draft Eco-sensitive Zone (ESZ) are as follows:

Area of PA : 304.81 sq. km  
 Proposed ESZ area : 625.30 sq. km  
 Proposed Extent : 600 metre to 9.5 km

The representative of the State Government informed that there were mistakes in calculation of area of Wildlife Sanctuary as well as ESZ area while submitting the proposal to the Ministry. This was due to the fact that private areas were wrongly included in Sanctuary area. The State Government has proposed following changes in the notification:

- a) The revised ESZ extent would be 250 m to 9.0 km with an ESZ area of 490.29 sq km.
- b) Modified the maps of the Sanctuary area and ESZ area (due to inter rationalisation of few areas from PA to ESZ and vice versa) Five villages located inside the PA are now included into ESZ.
- c) List of villages changed from 145 to 156.

The Committee was informed that public consultation has been done by the State Government on the above modifications and submitted the relevant documents to the Ministry.

Based on the presentation made and discussions held, the Committee recommended the proposal for final notification.

#### **4. 11. Tungreshwar Wildlife Sanctuary, Maharashtra**

Dr. Jitendra S. Ramgaokar, DCF Thane, Govt. of Maharashtra, made a presentation on the proposal. It was informed that the draft ESZ Notification of Tungreshwar Wildlife Sanctuary, Maharashtra was published by MoEFCC *vide* S.O. 6310(E) on 24<sup>th</sup> December, 2018. The salient features of the draft Eco-Sensitive Zone (ESZ) are as follows:

Area of PA	:	85.70 sq. km
Proposed ESZ area	:	67.26 sq. km
Proposed Extent	:	100 metre to 4.0 km

It was mentioned that the Tungareshwar Wildlife Sanctuary is an important protected area supporting a large number of flora and fauna including mammalian species like leopard, wild boar, four headed antelope, etc. The minimum extent of the ESZ is 100 metre from the protected area.

The Expert Committee Suggested for increasing the ESZ extent in Southern side beyond 100 m by inclusion of certain green patch/forest areas as shown in the map. The State Government representative, however, explained their inability and justified that southern part of the PA is adjoining another protected area of Sanjay Gandhi National Park (SGNP) and the ESZ of Tungreshwar WLS has continuity with the ESZ of SGNP. The Committee also suggested to include the fragmented forest patches observed in the map on North-West side in the ESZ area, however the State Government again explained their inability as the area is surrounded by the densely populated municipalities and also proposed ESZ boundary has been prepared based on the feasibility and public consultation.

The comments received from the stakeholders/public were duly considered. The State Government requested for rationalization of some of the activities in ESZ such as construction activities, solid waste management, land use pattern, Zonal Master Plan and its term of references, etc. They also requested to exclude four villages from ESZ based on public hearing. However, the Expert Committee did not agree on this.

The Chairman of the Committee mentioned that rules given in the ESZ Notification are broad in nature and the State may prepare the Zonal Master Plan and the Tourism Master Plan on time and the above mentioned issues could be addressed in the Master Plan.

On the composition of Monitoring Committee, State Government requested Chief Conservator of Forests, Sanjay Gandhi National Park as member of the Committee instead of Member Secretary in Monitoring Committee of Tungareashwar Wildlife Sanctuary ESZ as he is already having position Sanjay Gandhi National Park. Therefore Divisional Forest Officer, Sanjay Gandhi National Park Borivali may be taken as Member Secretary of the Monitoring Committee. It was also requested to include the survey number of villages listed in the ESZ Notification to bring more clarity in the notification.

Based on the presentation made and discussions held, the Committee recommended for the finalization of draft Notification including the suggested changes proposed by the State Government with regard to monitoring committee.

## **UTTAR PRADESH**

### **4.12. National Chambal Sanctuary, Uttar Pradesh**

Shri. Anand Kumar, DCF, Forest Department, Govt. of Uttar Pradesh made a presentation and apprised the Committee about the proposal. It was informed that the draft ESZ Notification of National Chambal Sanctuary, Uttar Pradesh was published *vide* S.O. No. 1653 dated 16<sup>th</sup> April, 2018. The salient features of the draft Eco-Sensitive Zone (ESZ) are as follows:

Area of PA	:	635.0 sq. km
Proposed ESZ area	:	178.98 sq. km
Proposed Extent	:	zero to 1.0 km

It was mentioned that National Chambal Sanctuary is situated in Agra and Etawah districts of Uttar Pradesh. The Sanctuary is the first and only tri-state riverine protected area of India that crosses the states of Uttar Pradesh, Rajasthan and Madhya Pradesh.

The Expert Committee reiterating its earlier recommendations and asked Government of Uttar Pradesh to have a meeting with Government of Rajasthan and Madhya Pradesh, for preparing an integrated ESZ proposal.

Based on the presentation made and discussions held, the Committee deferred consideration of draft Notification and suggested for tri state consultation for preparation of an integrated ESZ proposal. The Government of UP was also asked to take a lead in this initiative. If felt necessary, a meeting may be called in the Ministry with all the three States.

#### **4.13. Soor Sarovar Bird Sanctuary, Uttar Pradesh**

Shri. Ashutosh Jaiswal, DFO, Karnmoor, Govt. of Uttar Pradesh, made a presentation on the proposal. It was informed that the draft ESZ Notification of Soor Sarovar Bird Sanctuary, Uttar Pradesh was earlier considered by the Expert Committee on ESZ during its 31<sup>st</sup> meeting held on 13-14 September, 2018. During the meeting the Committee asked State Government to submit the correct area of the Sanctuary along with Gazette Notification. The State Government has furnished the requisite details to the Ministry.

It was informed that the actual area of the Sanctuary is 4.03 Sq km instead of 8.0 Sq. Km and correspondingly the ESZ area is reduced from 18.17 sq. km to 10.20 sq. km. The extent of ESZ shall remain unchanged i.e. 1 km all around the sanctuary. Accordingly, the State Government presented the revised maps and geo-coordinates of WLS as well as ESZ. There is no change in the list of villages falling in ESZ.

No comments were received from the stakeholders/public on the draft notification. Based on the presentation made and discussions held, the Committee recommended for the finalization of draft Notification with above said changes.

#### **4.14. Vijay Sagar Bird Sanctuary, Uttar Pradesh**

Shri. Sunil Choudhary, APCCF Wildlife, Forest Department, Govt. of Uttar Pradesh, made a presentation on the proposal. It was informed that Vijay Sagar Bird Sanctuary is a small bird Sanctuary declared by Government of Uttar Pradesh *vide* G.O. No 1305 dated 26<sup>th</sup> June, 1990 and it is located about 5.0 km from Mahoba town. The Sanctuary represents a typical eco-system and is known for its open habitat for many faunal species including migratory birds. The draft ESZ Notification of Vijay Sagar Bird Sanctuary, was published by the MoEFCC *vide* S.O. No.1652 dated 16<sup>th</sup> April, 2018. The salient features of the draft Eco-Sensitive Zone (ESZ) are as follows:

Area of PA	:	2.622 sq. km
Proposed ESZ area	:	4.0532 sq. km
Proposed Extent	:	1 km uniform

No comments were received from the stakeholders/public on the draft notification. Based on the presentation made and discussion held, the Committee recommended for the finalization of draft Notification.

5. In the context of process relating to processing of ESZ Notifications, Chairman apprised Members of the Committee that a number of draft notifications have since expired due to situations such as Model Code of Conduct (MCC) imposed by the Election Commission of India or other technical issues. In such cases, final Notifications could not be issued even after the approval of Expert Committee. Some of the proposals have expired while being processed due to

delays in submission of replies/requisite supporting documents by the States within available timeframe. Chairman sought views of Members on the issue so that proposals can be appropriately placed before the Expert Committee.

5.1 The Committee deliberated on the issue and took note of Para 5(4) of Environment (Protection) Rules, 1986 that lay down that

“Notwithstanding anything contained in sub-rule (3), whenever it appears to the Central Government that it is in public interest to do so, it may dispense with the requirement of notice under clause (a) of sub-rule (3).“

5.2 In the light of the above, the Committee was of the view that it would be prudent in public interest to process the pending proposals further on case by case basis from the stage where they lie as on date provided there is no material change in ESZ area, ESZ extent, list of villages and activities thereon except calculation mistakes, clerical errors or justifiable omissions.

6. Based on the draft Eco-Sensitive Zone Notifications, and references on Doon Valley Notification, comments received from stakeholder/public, presentations made on the proposals and detailed discussions on each proposal the Expert Committee recommended the following:

<b>Sl. No.</b>	<b>Protected Area</b>	<b>State</b>	<b>Recommendation of Expert Committee</b>
1.	Doon Valley Notification	Uttarakhand	Recommended for Amendment in the Notification
2.	Palkot Sanctuary	Jharkhand	Recommended for finalization
3.	Udhwa Lake Bird Sanctuary	Jharkhand	Recommended for finalization
4.	Hazaribagh Wildlife Sanctuary	Jharkhand	Recommended for finalization
5.	Lawalong Sanctuary	Jharkhand	Recommended for finalization
6.	Gautam Buddha Sanctuary	Jharkhand	Recommended for finalization
7.	Palamau Tiger Reserve	Jharkhand	Recommended for finalization

<b>Sl. No.</b>	<b>Protected Area</b>	<b>State</b>	<b>Recommendation of Expert Committee</b>
	Wildlife Sanctuary		
8.	Parasnath and Topchanachi Wildlife Sanctuary	Jharkhand	Recommended for finalization
9.	Koderma Wildlife Sanctuary	Jharkhand	Recommended for finalization
10.	Soor Sarovar Bird Sanctuary	Uttar Pradesh	Recommended for finalization
11.	National Chambal Sanctuary	Uttar Pradesh	Deferred the proposal
12.	Vijay Sagar Bird Sanctuary	Uttar Pradesh	Recommended for finalization
13.	Tansa Wildlife Sanctuary	Maharashtra	Recommended for finalisation
14.	Tungreshwar Wildlife Sanctuary	Maharashtra	Recommended for finalization

7. Meeting ended with vote of thanks to and from the Chair.

**Annexure****36<sup>th</sup> Expert Committee Meeting on ESZ held on 18<sup>th</sup> July, 2019****List of Participants****Members of Expert Committee**

1. Shri Ravi Agrawal, Additional Secretary, Chairperson.
2. Dr. S. C. Garkoti, Adviser, MoEF&CC.
3. Shri. S. A. Hussain, Scientist 'G', WII, Dehradun.
4. Shri. K. Chandra Sekar, Scientist 'E', GB Pant Institute of Himalayan Environment & Development, Almora.
5. Shri. P. K. Gupta, Scientist-'E', CPCB.
6. Shri A. A. Ansari, Scientist 'E' (Retd.), BSI, BGIR, Noida.
7. Ms. Vishaish Uppal, Director, WWF India.
8. Dr. Anjum N Rizvi, Sr. Scientist, Z.S.I., Kolkata.
9. Dr. Sarita Jain, RD, NCTO, ICFRE, Dehradun.
10. Shri. H. Padalia, Head FED, IIRS, ISRO, Dehradun.
11. Shri. S. K. Singh, STA, Forest Survey of India, Dehradun.
12. Dr. Sandeep Kumar Rawat, Associate Town & Country Planner, TCPO, Ministry of Housing & Urban Affairs.
13. Dr. Mayaunk D Dwivedi, Research Associate, BSI, BGIR, Noida.
14. Dr. Subrata Bose, Director (SC-'F'), Member Secretary(ESZ), MoEF & CC.

**Ministry of Environment, Forest and Climate Change, GOI**

15. Shri Sharath Kumar Pallerla, Director (SC-'F'), MoEF & CC.
16. Shri Pankaj Verma, Additional Director (SC-'E'), MoEF & CC.
17. Dr. Susan George K., Scientist-'D', MoEF&CC.
18. Dr. Veenu Joon, Deputy Director (SC-'C'), MoEF&CC.
19. Dr Shaikhom Inaotombi Singh (Consultant), MoEF&CC.

**Officials of Government of Uttar Pradesh**

20. Shri. Sunil Choudhary, APCCF Wildlife, Forest Department, Govt. of Uttar Pradesh.
21. Shri. Ashutosh Jaiswal, DFO, Karnmoor, Govt. of Uttar Pradesh.
22. Shri. Anand Kumar, DCF, National Chambal Sanctuary Project, Forest Department, Govt. of Uttar Pradesh.

**Officials of Government of Maharashtra**

23. Dr. Jitendra S. Ramgaokar, DCF Thane, Govt. of Maharashtra.
24. Shri. V. P. Ghule DCF, Forest Department, Govt. of Maharashtra.

**Officials of Government of Jharkhand**

25. Shri. A. Siddiqvi, Secretary, Department of Mines & Geology, Govt. of Jharkhand.
26. Shri. K. Ravi Kumar, Secretary, Department of Industry, Govt. of Jharkhand.
27. Shri. P. K. Verma, PCCF Wildlife, Department of F, E & CC, Secretary, Govt. of Jharkhand.
28. Shri. Dileep Kumar Yadav, DFO Wildlife Division Hazaribhag, Forest Department, Govt. of Jharkhand.
29. Shri. P. K. Das, CCF-FD, PTR, Palamau, Forest Department, Govt. of Jharkhand.
30. Shri. Manish Kumar Bakshi, GIS Expert, Palamau Tiger Reserve, Govt. of Jharkhand.

**Officials of Government of Uttarakhand**

31. Shri Arvind Singh Tyanta, Secretary, Forest & Environment Department, Government of Uttarakhand.
32. Shri. S. P. Subudhi, Member Secretary, Environment and Forest Department, Govt. of Uttarakhand.
33. Dr. Ankur Kansal, Env. Engg., Environment and Forest Department, Govt. of Uttarakhand.

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