

JOINT SURVEY BOARD PROCEEDINGS

5829

Proceedings of : A Joint Survey Board

Held at : BOP Tuipuibari and In Area of DTRF Along International Boundary

Held on : 1st December, 2011 and subsequent dates

By the order of : Ftr HQ BSF M&C order No/Ops/525/M&C/BSF/12/1459-64 of dated 21 May, 2011 and subsequent amendments

For the purpose of : To rework the total area to be diverted from DTRF for the construction of IBB Fence and Patrol road, as per the decision taken in the 22nd meeting of the standing committee of National Board for Wildlife held on 25th April 2011.

COMPOSITION OF THE BOARD

Presiding Officer : Shri Jagir Chand, 2IC, 173 BN BSF

Members 1 : Shri S S Jakhar, DC, 142 Bn BSF
: Shri Prem Singh, AC, 173 Bn BSF

Co-opted member 1 : Shri Zirkunga Sailo, Surveyor, Land Rev & settlement, Mamit

2 : Shri Vanlal Bera, Forest Range Officer, DTRF

3 : Shri T Chawang, Deputy Project Manager, NBCC

4 : Shri Dhritiman Saha, JE, NBCC

The Joint Survey Board having assembled pursuant to the above order of HQ M&C FTR BSF, Proceeds to work out the total area to be diverted from DTRF for the construction of IB Fence, Patrol Road and Border out posts along IB in Mizoram.

The Joint Survey Board carried out physical survey of this entire stretch of Dampa Tiger Reserve falling along International Boundary and worked out the total area required to be diverted from Dampa Tiger Reserve for construction of IBB fence and Patrol Road. The Joint Survey Board also referred the preceding correspondence and the surveys carried out for selection/siting of Border Out Posts and opening for animal corridors along the fence line. The findings and the recommendations of the Joint Survey Board are as under:-

- The Government of Mizoram under a notification dated 7th Dec 1994 has established 500 Sq Kms composite area of Dampa Wildlife Sanctuary in Mamit District, Mizoram as a "Tiger Reserve" under the centrally sponsored scheme "Project Tiger". The copy of said notification is enclosed as Annexure "A".
- A map sheet showing the area of DTRF (Dampa Tiger Reserve Forest) is enclosed with the proceedings as Annexure "B".
- The boundary of DTRF in west follows the International Boundary between India and Bangladesh and runs along river Saza Lui/ Tulianpui starting from junction point of river Sailui and sazalui up to the point where Aivapui meets Sazalui. The grid reference of the starting point is 771598. and end point is 844277.
- The entire area is mountainous with heights ranging from 200 meters to 1000 meters and is full of dry/ wet Nullahs, thick vegetation and dense jungle mainly of bamboo.
- At present there is no habitation existing in this area and as such no foot tracks or approach routes are available in this area.
- In November 2004, A memorandum of understanding has been entered into between MHA (Border Management Division) and the National Building Construction Corporation Limited (NBCC Ltd) for construction 147 Kms of the IBB fence and patrol Road from Amchurimukh BP No 2300 to Marpara (BP No 2315) falling in Mizoram along IB. The project is of high degree of National importance.
- As per the previous survey conducted by NBCC through A B Consultants, Gartala, Tripura, a total stretch of 62 Kms of Fencing and Patrol Road will be constructed along International Boundary within DTRF area. NBCC has already submitted this survey report for all concerned for further course of action.

Recommendation of the Board:-

1. The Joint Survey Board recommends that the total area to be diverted from DTRF for construction of IBB Fence, Patrol Road, seven Border Out Posts and the area falling ahead of fencing (if it is also to be taken into account) will be as under:

a) Area of land strip required for construction IBB Fence and Patrol Road

As per NBCC the total area of land strip required for construction of fencing and Patrol Road is as under:

	Length	Width	Area
Fencing and Road	50.60 Km	22 feet	33.93 ha
Fencing and Road	11.40 Km	65 feet	22.58 ha
Total			56.51 ha

The width of land strip for the construction of fencing and road has been decided by NBCC due to topographical constraints of the area.

b) Area required for construction of seven Border Out Posts -

This joint survey is done in furtherance of the earlier surveys wherein seven Border Out Posts have been proposed within Dampa Tiger Reserve Area. As per authorization, 05 Acres of land is required to establish a Coy level BOP and 3.5 Acres are required for the establishment of a Pl level BOP. Although there is a provision to increase the area for a BOP up to 2.5 times the above mentioned authorization, but keeping in view the importance of DTR, the Joint Survey Board recommends not more than 5 acres of land for each of these 7 BOPs. Thus total area required for the construction of 7 BOPs is as under:

Requirement of area for construction of 7 border out posts with DTRF

Srl No	Name of BOP	GR	Area required	Remarks
1	New Andermanik	783536	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
2	Dhanpara	787503	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
3	Zorumlui	798475	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
4	Nokata	808429	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
5	New Keislam	816371	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
6	Fangfar	829341	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP
7	Chenglui	846304	5.00 Acres (2.02 Ha)	Min requirement of area for a BOP

TOTAL AREA REQUIRED FOR 7 BOPs $7 \times 2.02 = 14.14$ Ha.

The board is also of the view that fence is an obstacle which has to be kept under surveillance by carrying out intensive operational duties viz foot patrolling, vehicle patrolling, Naka/Ambush and OP all along the fence for effective domination of area as per tactics. Therefore the Board recommends that the BOPs and Patrol road has to be inside the fence i.e. towards own side to follow the basic tactics for effective domination of the area.

c) Area falling between the proposed alignment of IBB Fence and the International Boundary

As per the earlier survey carried out by NBCC through A B Consultants, the total area required for the construction of seven BOPs and area of land strip required for construction of Fence and Patrol Road was estimated as 69.26 Ha, in which the area falling between IBB fence and International Boundary was not included. As per the fencing alignment proposed in the survey of NBCC, total area falling between IBB fence and IB is more than 2000 Ha. The Joint Survey Board after carrying out physical survey of DTR, has tried to keep the proposed alignment of fence to the minimum prescribed limit of distance from IB to keep Dampa Tiger Reserve sacrosanct and free from disturbance. However, due to topographical constraints, at certain points the distance of proposed alignment of fence from IB has gone up to 400 meters. The total area falling between the proposed alignment of fence and IB is 1448.925 Ha, though there may be slight deviations since it is very difficult to measure the exact area due to thick vegetation, dense forest and undulating terrain. A sketch showing the details of fence, patrol road and seven BOPs falling within DTR area is attached as annexure-c. The details of area falling between fence and IB is as under:-

DETAILS OF TOTAL AREA FALLING BETWEEN IBB FENCE AND INTERNATIONAL BOUNDARY

GR at points taken on IB	Length of fencing stretch along IB (Mtrs)	Distance between fence alignment and IB	Area (Sq m)	of the stretch
A-771598	4830	150	7245	
B-753553	1300	250	3250	
C-764550	1250	200	2500	
D-757543	730	300	2190	
E-759535	890	400	3560	
F-761543	2230	150	3345	
G-776533	2300	150	3450	
H-768521	1330	250	3325	
I-769507	450	300	1350	
J-768504	400	200	8000	

K-770507	1350	400	40000	520
L-778496	850	150	27500	525
M-780500	1030	200	26000	
N-786489	1170	150	5500	
O-790484	1150	300	5000	
P-788475	1450	200	9000	
Q-789469	2550	150	2500	
R-795457	800	300	3000	
S-793459	1230	300	1000	
T-791454	1130	175	750	
U-792445	1900	200	800	
V-791434	900	150	1000	
W-796431	1850	300	5000	
X-796419	2250	350	7500	
Y-803411	1750	200	3000	
Z-803403	1850	200	3000	
AA-801399	1530	250	3000	
AB-799383	1030	250	2500	
AC-806376	1850	300	4500	
AD-804369	2350	200	4700	
AE-815362	1550	250	3800	
AF-810352	2300	355	1000	
AG-811341	2650	350	2000	
AH-819319	790	200	3000	
AI-832324	1690	200	3000	
AJ-834302	2290	250	2000	
AK-841289	2230	200	600	
AL-840276	3130	200	600	
			4250	

TOTAL AREA

1448.925 | Area

Note

* The points A to Z and AA to AL are the points taken on International Boundary as shown in the sketch attached as Annexure 'C'

* The points A' to Z' and AA' to AL' are the points on proposed alignment of IBB Fence as shown in the sketch attached as Annexure- 'C'

* G.R.s are corresponding to M.S. No. 84 A/6 and 84 A/7 and scale is 1:50,000.

2. Total area required to be diverted from DTR for the construction of IBB Fence and Patrol Road (If area falling in between IBB fence and IB has also to be taken into account) = Area of land strip required for construction of IBB fencing and Patrol Road + Area required for

construction of seven Border Out Posts + Area falling between the proposed alignment of IBB Fence and the International Boundary

Thus Total area = 56.51 Ha + 14.14 Ha + 1448.925 Ha = 1519.575 Ha (Say 1520 Ha)

3. During joint survey, the location of the animal corridors was deliberated upon and Joint Survey Board is in agreement with the animal corridors proposed earlier in the preceding surveys and reports to facilitate free movement of migratory animals. However these gaps will be covered by proper motorable road without any fencing. The proposed corridors are as under:-

Corridor No	GR	Width	Remarks
1	754567	100 mtrs	Point of convergence of river Chhimmlui with River Sajai Lui a natural corridor for free movement of animals.
2	757553	100mtrs	Point of convergence of river Ultacherra with River Sajai Lui
3	785489	300mtrs	This is the point of convergence of river Dam Dama Chhera with river Sajai Lui. This makes a natural wide opening which will facilitate free movement of wild life.
4	789469	300mtrs	This is the convergence point of Seling lui river with Sajai lui. This also creates a natural wide opening for free movement of wild life.
5	798415	300mtrs	This is the convergence point of Chhimluang river with Sajai Lui. This makes a natural opening for wild life.
6	815334	300mtrs	This is the convergence point of Keislam Lui with Sajai Lui river.
7	840276	300mtrs	This is convergence point of Aivapui Lui with Sajai Lui river and makes a natural opening for wild life.

Presiding Officer:

Member

Co-opted Members

[Signature]
(Jagir Chand, 2)

[Signature]
(S S Jakhar, DC)

[Signature]
(Prem Singh, A)

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(Zirkunga Sailo, S)

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(Vanlal Bera, Forest R)

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(T Chawang, DDP)

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(Dhritiman Saha)

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12/11. Surveyor
Land Revenue & Settlement
Mizoram, Maitit.

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12/11 Range Officer
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