



भारत सरकार
GOVT. OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT
Office of the Executive Engineer
Indo-China Border Roads Project Division-III
CPWD, Khasra No.781/547, Peo-Kalpa Road,
In front of HPPWD Rest House, Reckong Peo, Kinnaur, HP-172107
e-mail: hpec-icbrpd3@cpwd.gov.in, Ph: 01786-292939



No. 54(6)/का.अभि./भा.ची.सी.स.परि.मं.-III/2022-23/94

Dated: 22/08/2022

To,

Deputy Conservator of Forests (DCF)
Kinnaur Forest Division
Reckong Peo
Himachal Pradesh

Subject: - Proposal for the Diversion of 50.091 ha. of Forest land in favour of ITBP and applicant as Executive Engineer, ICBRPD-III, CPWD, Khasra No. 781/547, Kalpa Road in front of HPPWD Rest House, Reckong-Peo under (FCA-1980) for the construction of Dubling Rishi Dogri-Lamche Dogri Road within the Jurisdiction of Kinnaur Forest Division. (FP/HP/ROAD/145666/2021) **Regarding the compliance to Queries.**

Reference: Your office endorsement No. 3247 from dated 22/08/2022 due to EDS raised by Regional office Shimla, HP by Minutes of 10th REC Meeting of IRO Shimla (held on 12/08/2022) issued vide 14-4/IRO/REC/2021/1/446 dated 16/08/2022.

Respected Sir/Ma'am,

With reference to your letter and query under reference about the proposal for the diversion of 50.091 ha. Of forest land in favour ITBP. for the construction of Dubling - Rishi Dogri-Lamche Dogri Road 0/00 to 25 Km by CPWD, within the jurisdiction of Kinnaur Forest Division, Dist. Kinnaur, Himachal Pradesh has been scrutinized by your office and we have been informed of some observations of REC.

We are sending herewith the Reply/ Compliance for each of the observation raised by REC, IRO Shimla regarding the forest proposal of Dubling-Rishi Dogri-Lamche Dogri Road, please look into the table depicted.

S. No.	Observations of REC	Compliances
1	The FRA certificate with all prescribed annexures including records of all consultation & meeting with Gram Sabha (S) & FRC (S) of all the concerned villages needs to be submitted before Stage-II (final approval).	FRA certificate (However not in prescribed format) issued by DC, Kinnaur dated 09/06/2022 along with SDLC and DLC meeting minutes is enclosed with the letter as annexure R-1 and also uploaded in part -1 of Parivesh Portal. Letter for prescribed format already written to DC, Kinnaur, it will be submitted after stage -I approval.
2	The NPV calculation sheet/bill has been submitted for Eco-class -V Same required to be submitted for Eco-VI.	Pertains to forest Department.
3	The state govt. may rectify and fill the district profile in Part-II, para 14 on the PARIVESH portal.	Pertains to forest Department.

Dispure Raycha
G/o The Divisional Forest Officer
Kinnaur Forest Di
Reckong Peo Pin 172 107

1 of 3

4	State Govt. may provide the list of unique floral species prevailing in the area with their Action Plan for their protection and conservation. Same may be duly authenticated by DFO concerned.	Pertains to forest Department. However User agency agrees to submit prescribed fee for wildlife management plan as per MoEF & CC vide latter No. FC – 11/43/2021-FC dated 07.6.2022.
5	State Govt. may submit Soil & moisture Conservation Plan and Wild life Management plan along with detail cost of its implementation as per MoEF & CC vide latter No. FC – 11/43/2021-FC dated 07.6.2022.	Pertains to forest Department. However, user agency agrees to submit prescribed fee for wildlife management plan and soil & moisture Conservation Plan as per MoEF & CC vide latter No. FC – 11/43/2021-FC dated 07.6.2022.
6	State Govt. has submitted the khasra no. wise detail of components (Row, Muck Dumping site), however the detail of bridge components has not been incorporated. Therefore State govt. may provide the components wise or khasra number wise details of all the required components.	Attached as checklist No. 7 and to be authenticated by DFO, Kinnaur.
7	The status of CA land whether it is the possession of H.P Forest Department or not may be provided.	Pertains to forest Department.
8	The proposed CA sites are at high altitude areas and on steep slopes. Therefore, the State Govt. may review the proposed CA sites with respect to its feasibility for raising plantation. If required, then revised CA sites of vegetation density <40% along with KML file and requisite documents of CA needs to be submitted and uploaded on the PRIVESH portal.	Pertains to forest Department.
9	CA scheme may also be reviewed as per the prevailing rates of raising CA in the State of HP.	Pertains to forest Department.
10	The extant proposal involves width of 18m of the proposed road therefore; the project proponent will provide detailed technical justification in view of existing IRC norms for the hill roads which justified the requirement of 18m width.	The road has been designed as per provisions of IRC Hill Road Manual IRC:SP:48-1998 for National Highway Single Lane specification. For this road carriageway width is 3.75 Meters and shoulder on both side of road of 1.25 Meter width which implies 6.25 meter roadway width as per table 6.5 for width of Carriageway, shoulder and roadway width (page 30) Hill road Manual of IRC. Also as per footnotes of table no 6.5 it is mentioned at S. No. 1 that above roadway width is exclusive of parapets (usual width 0.6 Meter) and side drains (Usual width 0.6 Meter), this road have provisions of both parapets and side drain. Also please refer table 6.4 for desirable road land width (Right of way) (page 29) of Hill road manual of IRC where it is clearly mentioned that for Open areas in Normal conditions this ROW is 24 meters for National and state highway which suits our requirement. Also this width is 18 meters for Major district Road, which we have adopted in the proposal of this road which is far less than 24 meters as per requirement of IRC norms. This justifies requirement of 18 meter ROW. At the footnotes of table No 6.4 of Hill road manual of IRC it is mentioned in S. No. 2 that additional land is required at locations involving unstable/landslide area. It is well established fact that

		road is proposed in the hills of Kinnaur district of state of Himachal Pradesh which is part of cold desert biosphere reserve and there are high chances of landslide leading to instability of land and erosion. Also as per S. No. 3 of footnote it is mentioned that if the road is planned to be upgraded in the future, land width (ROW) should correspond to higher class of Road. So all these norms of IRC justifies our proposed ROW of 18 meters. Also Technical Committee of MHA, Govt of India chaired by Director General, CPWD in its 52nd meeting held on 29/12/2016 standardized the ROW and other parameters as its agenda item No. 9 for all the border roads of MHA. RoW of border roads was standardized as 15 to 18 meter depending upon terrain. It was also stated at point No 6 of the agenda item that ROW should be chosen to cater for future expansion as any further requirement of land will be met out of this 18 meter RoW, which will Relevant pages of DPR, Hill Road Manual of IRC: SP:48:1998 and minutes of 52nd technical committee are enclosed as annexure R-10, for ready reference.
11	The state Govt, may explore the possibility to reduce the numbers of trees proposed for felling and revise the enumeration list of trees mentioning trees to be felled and not to be felled.	Undertaking with this respect for felling minimum No. of trees as well as list of trees are enclosed as annexure R-11. All trees which will come within ROW of road will be required to be felled for construction of Road.

This road is situated within 100Km of aerial distance from LAC with China and sanctioned by the Cabinet Committee on Security in Sep 2020. Please go through this. We hope you will find these compliances acceptable. It is requested that forest clearance may be accorded at an earliest please.

Encl: as above (in 4 sets)

O/c *Ador* 24/8/22
Executive Engineer
ICBRPD-III, Reckong Peo

Copy to:

1. CPM, ICBRPZ, CPWD, Nirman Kuteer, Choglamsar (Khasra No. 981), Near District jail, Leh, UT of Ladakh-194104
2. SE, ICBRPC, Reckong Peo, Himachal Pradesh-172107.
3. AE-II, ICBRPD-III, CPWD, Reckong Peo for necessary pursuance please in forest department.

O/c *Ador* 24/8/22
(Executive Engineer)

No. KNR-8(SK) FRA-Cor.(Voll-II)/2022- 935
Office of the Deputy Commissioner
Kinnaur at Reckong Peo.

To

The Executive Engineer,
Indo China Border Road Division-III
CPWD, Reckong Peo, Kinnaur.
Himachal Pradesh-172107
Date: - 172107 Reckong Peo

9th June, 2022.

Subject: -

Issue of Forest Right Act clearances certificate for forest land reg.

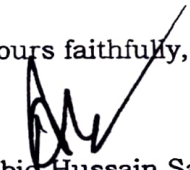
Sir,

Kindly refer to the letter no.:F.No.11-9/98-FC9pt.) from the ministry of Environment and Forest (FC Division), Government of India dated:- 5th February, 2013 wherein their stated that proposals seeking prior approval of Central Government under Forest (conservation) Act, 1980 for projects like construction of roads, canals, laying of pipe lines/optical fibers and transmission lines etc. where linear diversion of use of forest land in several villages are involved, unless recognised rights of PTG/PAC are being affected, are exempted from the requirement of obtaining consent of concerned Gram Sabha(s), as stipulated in clause(c) read with clause (b), (e) and (f) in second Para of this Ministry's said letter dated:- 3.8.2009. Further the Ministry has accorded general approval under section 2 (ii) of the Forest conservation act 1980 to the State Government vide letter No.F.No. 11-246/2014-FC dated 04.04.2014, 09.01.2015, 21.12.2017 & 19-04-2018 for creation of border security related infrastructure and roads to be implemented by border road organisation (BRO), Indo Tibetan Border Police Force (ITBP), Border security Force (BSF), Sashastar Seema Bal (SSB) and other road construction agencies vested with job by Ministry of defence and Home in their respective jurisdiction in area falling within 100 km of LAC, 15 km of Indo-Nepal border, 10 km of Indo-Myanmar border and 5 km from all other international borders of India. However the proposal of diversion of forest land for the construction of Indo China Border roads Namgia-Dogri-Lukma via (MM ridge, Lukma-II), Dubling-Rishi Dogri-Lamche Dogri, Dumti-Nithal Thach in which FRA certificate is sought for FCA clearance are discussed in District Level Forest Right Committee held on dated 26-05-2022 under the chairmanship of Deputy commissioner Kinnaur. All the members of DLC unanimously decided to comply with the above exemption to linear projects of strategic importance and recommended the same for further necessary action.

Therefore, accordingly for the below mentioned projects where you have sought the Forest Rights Act (FRA) Certificate, the Ministry's letter of exemption may kindly be referred:-

Sr.No.	Name of Road	Lenght (in km)	Area (In Hect.)
1	Namgia - Dogri - Lukma via (MM Ridge, Lukma-II), ITBP (Defence Road)	31.43	85-39-03
2	Dubling-Rishi Dogri-Lamche Dogri road, ITBP (Defence road)	25	50-09-10
3	Dumti - Nithal Thach, ITBP (Defence Road)	8.24	14-44-20

Yours faithfully,


Abid Hussain Sadiq (IAS)
Deputy Commissioner-Cum-
Chairman DLC Kinnaur.

Today on dated 14-03-2022 a meeting of Sub-Divisional Level Committee (SDLC) as per the provis STOTFDRR Act, 2006 was conducted in the office of the Addl. District Magistrate, Pooh und chairmanship of Sh. Ashwani Kumar (HPAS) ADM Pooh in presence of following official and non-c members:-

Non-Officials Members:

1. Smt. Indu Kiran Chairperson BDC Pooh.
2. Sh. Dorje Negi Member BDC Pooh.

Officials Members:

1. Sh. Shiv Kumar Research Officer ITDP Kinnaur.
2. Sh. Pratap Singh Range Forest Officer Pooh.
3. Sh. Manmohan Singh Range Forest Officer Akpa.
4. Sh. Hukam Lal Range Forest Officer Malling.

Firstly, chairman welcomed all the members of SDLC and apprised them all about STO Act, 2006 and latest amendments. Thereafter meeting was started as per the agenda items.

The details of claims received from various Forest Rights Committee are as under:-

1	Individual Claims FRC Nako	22
2	Individual Claims FRC Pooh	30
3	Individual Claims FRC Dubling	20
4	Individual Claims FRC Thangi	45
5	Individual Claims FRC Karla	8
6	Individual Claims FRC Chuling	34
7	Community Claims FRC Dubling	1
8	Community Claims FRC Thangi	2
9	Community Claims FRC Chuling	1
	Total	163

After thorough scrutiny of 159 individual claims and 4 community claims SDLC has the conclusion that there are certain discrepancies in most of the claims which needs to be referred bac concerned FRC's alongwith observations. The detail of cases referred back to FRC's are as under:-

1	Individual Claims FRC Nako	1
2	Individual Claims FRC Dubling	9
3	Individual Claims FRC Pooh	13
4	Individual Claims FRC Thangi	23
5	Individual Claims FRC Chuling	34
6	Individual Claims FRC Karla	4
7	Community FRC Dubling	1
8	Community FRC Thangi	2
9	Community FRC Chuling	1
	Total	88

75 No of individual claims were found proper as per the requirements of STOTFDRR Act, 2 Rules framed thereunder. Therefore, SDLC unanimously decided to approve the same and forwarded these District Level Committee for further necessary action. 75 No. of individual claims were unanimously appr SDLC. The details of cases approved by the SDLC are as under:-

		Kinnaur			
75	Kundan Lal S/o Sada Dandub	Vill. Karla P.O Spillow Tehsil Pooh Distt. Kinnaur	390	0-03-54	Up Mohal S

In addition to it 2 cases of ICBR-Ph.-II Roads were also received though the office of Commissioner in which FRA Certificate was sought for FCA clearance. After detailed examination of the was found that as per the instruction issued by Environment and forests GOI, vide letter no. FNo.11-9/9 dated 05.02.2013, linear projects like construction of roads, canals, laying of pipelines, optical fibres, tran lines are exempted from requirement of obtaining clearance of the concerned Gram Sabha(s) unless re rights of PTG/PAC are being effected.

Since ICBR Phase -II are linear projects and has strategic importance as well, therefore som be constructed in expeditious manner. Accordingly SDLC recommends the same to DLC for further n action. The details are as under:-

Sr. No.	Name of Department	Purpose	Area in Hects.
1.	ITBP	Construction of Dublin-Rishi Dogri- Lamche Dogri Road.	50-09-10
2.	ITBP	Construction of Namgia-Dogri- Lukma-I VIA (MMRIDGE, Lukma -II).	85-42-21

Regarding second evidence to prove forest rights claims the non official members insi judgement passed by hon'ble high Court of Gujrat in case titled as Arch Vahini vs. State of Gujrat whereby it was held by hon'ble Court that insistence upon any particular form of evidence is illegal. Fart official members said that SDLC being selective on Rule 13 and not considering Rule 13(1)(c) is sc defeating the spirit of forest Right Act 2006. The Chairman said that SDLC will entertain any evidence me under FRA-2006 and Rules framed thereunder provided it proves the claim of the claimant beyc reasonable doubt. Considering improper evidence may lead to misuse of FRA provisions by unscr claimants. Therefore, evidence adduced by the claimant should Cleary prove his claim. Moreover, the m use of space technology has already taken up with Worthy Deputy Commissioner-Cum- Chairman DLC for action.

Meeting ended with thanks to the Chair and all the members.

Sh. Ashwani Kumar (HPAS)
Chairman SDLC Pooh

(Smt. Indu Kiran)
Member of SDLC Pooh

(Sh. Dorje Negi)
Member of SDLC Pooh

(Sh. Shyam Kumar)
Member Secretary of SDLC Pooh

(Sh. Pratap Singh)
Member of SDLC Pooh

(Sh. Manoj Singh)
Member of SDLC Pooh

(Sh. Shankar Dass)
Member of SDLC Pooh

**OFFICE OF THE DEPUTY COMMISSIONER,
DISTRICT KINNAUR AT RECKONG PEO, HP.**

Minutes of the District level Committee meeting held on 26-05-2022 at 11:00 AM under the chairmanship of Deputy Commissioner -Cum-Chairperson District Level Forest Right Committee Kinnaur in his office to discuss the implementation of scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006.

The following non-Official/ official members attended the meeting:-

1. Sh. Shanta Kumar Member District Level Committee for FRA, Kinnaur.
2. Smt. Aradhana Member District Level Committee for FRA, Kinnaur.
3. Sh. Nihal Singh Member District Level Committee for FRA, Kinnaur.
4. Deputy Conservator of Forest (Member).
5. Project Officer ITDP Kinnaur (Member Secretary).

Special Invitees

1. Dr. (Maj. Retd.) Shashank Gupta SDM-Cum-Chairman SDLC Kalpa
2. Sh. Chander Mohan Tehsildar Nichar
3. Sh. Vinod Kumar Tehsildar Moorang
4. Sh. Vivek Negi Tehsildar Kalpa

At the outset of the meeting POITDP-Cum-member secretary welcomed the Chairperson and all the participants and thereafter agenda-wise discussion was taken as follows:

1. Member secretary apprised that a meeting of SDLC Pooh, Kalpa & Nichar was held on dated 14-03-2022, 29-04-2022, 06-04-2022, 07-05-2022 & 04-04-2022 in which the SDLC's recommended the individual claims and cases of diversion of forest land for non forest purpose in which FRA certificate is sought for FCA clearance are as under:-

➤ **Claims recommended under FRA, 2006**

S.no.	Type of claim	No. of claim	Recommended for	Recommended by	Date of meeting of SDLC
1	Individual	75	Final Approval	SDLC Pooh	14-03-2022
2	Individual	25	Final Approval	SDLC Kalpa	07-05-2022
3.	Individual	4	Rejection	SDLC Kalpa	07-05-2022

Member secretary apprised that after due perusal of proceedings and scrutiny of claim files of both the SDLC it is noted that only 60 claims (38 of SDLC Pooh & 22 of SDLC Kalpa) are fit for final approval and 40 claim files needs to be refer back to respective SDLC due to certain discrepancies, however 4 claims needs to be rejected as recommended by SDLC Kalpa. After above deliberations the committee unanimously approved the 60 individual claims, rejected the 4 individual claims and decided to refer back the 40 claims to respective SDLC for correction of discrepancies. The detail of all above claims is annexed with this minute as annexure -A. During the scrutiny of claim files at DLC level it was found that there were some revenue related discrepancies in most of the claim files needs to be rectified at SDLC level before referring them to DLC for final approval. Worthy chair directed all the chairman of SDLC's to properly scrutinize all the claim files with the help of revenue agency under their respective jurisdiction and rectify the discrepancies before referring the same to DLC for final approval.

- Deputy Conservator of Forest (Member DLC) raised the issue regarding spike up in fresh encroachments in the district as the process of recognition of claims has fasten up. DLC decided that the forest and revenue authority must keep watch of such cases and take proper action against such unscrupulous persons under due course of law so that the spirit of Forest Right Act, 2006 should not be defeated. Worthy chair directed revenue officers to coordinate with the forest department to identify such cases and take action against such encroachers.

Cases recommended for FRA certificate under FCA clearance

Sr. No	User agency	Diversion proposed for	Area in Hect.	Recommended by SDLC	Date of SDLC meeting
1	ITBP	Dumti-Nithal-Tbach defence road			
2	ITBP	Dubling-RishiDogri-Lamcha Dogri defence road	14-44-20	Kalpa	06-04-2022
3	ITBP	Namgia-Dogri-Lukma defence road	50-09-10	Pooh	14-03-2022
4	HPPWD	Road from mini secretariat to 1 st curve Bara Kamba via Garshu juhlla	85-39-03	Pooh	14-03-2022
5	Intelligence Bureau	Straitgic Boarder Post	1-28-09	Nichar	04-04-2022
6	Sarchander Negi	Setting up of BPCL RO/Petrol pump Service station & allied services	0-03-00 0-15-00 0-06-00	Pooh	29-04-2022
7	ITDP R/Peo	Construction of helipad	0-02-70 1-40-30	Pooh	29-04-2022

➤ After scrutiny of above mention cases only one case construction of helipad needs to refer back to SDLC due to certain discrepancy noticed, three cases (Sr.No.1 to 3) of the construction of Indo China border roads Phase-II are linear projects and has strategic importance and as per the instruction issued by Ministry of Environment & Forest GOI vide letter No.F.No.11-9/98-FC (pt) & F.No.11/246/214-FC dated 04.04.2014,09.01.2015,21.12.2017 and 19.04.2018 are exempted from obtaining consent of Gram Sabha(s).in rest of the cases (Sr.No.4 to 6) FRA certificate may be issued. The DLC unanimously agreed to comply with the above notification of the Ministry of Environment & Forest GOI and recommended the cases of diversion of forest land for construction of Indo China border roads Phase – II for further necessary action. In rest of the cases of diversion of forest land for non forest purpose as mentioned above in sr.no.4 to 6 DLC agreed to issue FRA certificate.

2. Member secretary apprised that the 47 claims of village Lippa which were earlier rejected by DLC on dated 15-12-2018, now the claimants have filed the application to review their rejected claims. DLC unanimously decided to review the claims of village Lippa and refer it back to SDLC Pooh for reconsideration as per the earlier direction issued by GOI vide its letter No/23011/18/2015-FRA dated 27.7.2015 in which GOI emphasised that "claims rejected on the ground of insufficient evidence or which prima-facie requires additional examination may be re-examined". The list of 47 claims of village Lippa referred back to SDLC Pooh for examination is annexed with this minute as annexure-B.

Meeting ended with thanks to the chair and all the participants.

Members of District Level Committee :-

1. Sh. Shanta Kumar
V.P.O. Nako Sub.tehsil Hangrang
(Non official Member)

2. Smt Aradhana
V.P.O. Sangla Tehsil Sangla
(Non Official Member)

3. Sh. Nihal Singh
V.P.O. Katgaon Teh. Nichar
(Non Official member)

4. Deputy conservator of forest
Deputy Conservator of Forests,
Official Member DLC Kinnaur,
Kinnaur Forest Division at R/Peo HP.

5. Project Officer ITDP - cum-
Member secretary DLC Kinnaur

Deputy Commissioner-cum-Chairman,
District Level FRA Committee,
Kinnaur at Reckong Peo.

CHECK LIST SERIAL NUMBER-7

Full Title of the project: - Dubling –Rishi Dogri –Lamche Dogri Road

Proposal Number: - FP/HP/ROAD/145666/2021

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

S.No	District	Division	Range/Tehsil/ Village	Khasra/ Survey or Compartment Number of Km.Stone	Forest Area proposed for Diversion (Ha.)	Legal status of Forest Area	Remarks
1	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	730/1	0.5684	Unlisted Forest	Proposed Road area
2	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	730/1	0.18	Unlisted Forest	Proposed Bridge Portion
3	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	726/1	0.9345	Unlisted Forest	Proposed Road area
4	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	306/1	1.1970	Unlisted Forest	Proposed Road area
5	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/1	2.1672	Unlisted Forest	Proposed Road area
6	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/3	2.1240	Unlisted Forest	Proposed Road area
7	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/5	2.1602	Unlisted Forest	Proposed Road area
8	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/7	1.8108	Unlisted Forest	Proposed Road area
9	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/10	1.2526	Unlisted Forest	Proposed Road area
10	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	9/1	0.9894	Unlisted Forest	Proposed Road area
11	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	9/3	1.0944	Unlisted Forest	Proposed Road area
12	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/1	2.8694	Unlisted Forest	Proposed Road area
13	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/5	2.5236	Unlisted Forest	Proposed Road area
14	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/7	1.8884	Unlisted Forest	Proposed Road area
15	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/8	1.5012	Unlisted Forest	Proposed Road area
16	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/1	0.0252	Unlisted Forest	Proposed Road area
17	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/2	0.4788	Unlisted Forest	Proposed Road area
18	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/3	0.8284	Unlisted Forest	Proposed Road area

CHECK LIST SERIAL NUMBER-7

19	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/4	0.0288	Unlisted Forest	Proposed Road area
20	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/6	1.4076	Unlisted Forest	Proposed Road area
21	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	31/1	4.8534	Unlisted Forest	Proposed Road area
22	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/1	2.7072	Unlisted Forest	Proposed Road area
23	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/2	2.4840	Unlisted Forest	Proposed Road area
24	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/3	1.0210	Unlisted Forest	Proposed Road area
25	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	35/1	0.0306	Unlisted Forest	Proposed Road area
26	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	1/1	1.4400	Unlisted Forest	Proposed Road area
27	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	1/3	1.6250	Unlisted Forest	Proposed Road area
28	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	2/1	1.8036	Unlisted Forest	Proposed Road area
29	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	2/4	3.1248	Unlisted Forest	Proposed Road area
Total Land Area					45.1195		
Proposed Muck Dumping area of Dubling – Rishi Dogri – Lamche Dogri road							
1	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	730/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
2	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
3	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/4	0.2	Unlisted Forest	Proposed Muck Dumping Area
4	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/6	0.2	Unlisted Forest	Proposed Muck Dumping Area
5	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/8	0.2	Unlisted Forest	Proposed Muck Dumping Area
6	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/9	0.2	Unlisted Forest	Proposed Muck Dumping Area

CHECK LIST SERIAL NUMBER-7

7	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	21/11	0.1715	Unlisted Forest	Proposed Muck Dumping Area
8	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	9/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
9	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
10	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/3	0.2	Unlisted Forest	Proposed Muck Dumping Area
11	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/4	0.2	Unlisted Forest	Proposed Muck Dumping Area
12	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/6	0.2	Unlisted Forest	Proposed Muck Dumping Area
13	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	24/9	0.2	Unlisted Forest	Proposed Muck Dumping Area
14	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	13/5	0.2	Unlisted Forest	Proposed Muck Dumping Area
15	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	31/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
16	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	31/3	0.2	Unlisted Forest	Proposed Muck Dumping Area
17	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	31/4	0.2	Unlisted Forest	Proposed Muck Dumping Area
18	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/4	0.2	Unlisted Forest	Proposed Muck Dumping Area
19	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/5	0.2	Unlisted Forest	Proposed Muck Dumping Area

CHECK LIST SERIAL NUMBER-7

							Area
20	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	30/6	0.2	Unlisted Forest	Proposed Muck Dumping Area
21	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	1/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
22	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	1/4	0.2	Unlisted Forest	Proposed Muck Dumping Area
23	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	2/2	0.2	Unlisted Forest	Proposed Muck Dumping Area
24	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	2/3	0.2	Unlisted Forest	Proposed Muck Dumping Area
25	Kinnaur	Kinnaur Forest Division	Pooh Range / Pooh Tehsil	2/5	0.2	Unlisted Forest	Proposed Muck Dumping Area
Total Land Area					4.9715		
Grand Total Area (A+B)					50.091		

Place: - Reckong Peo

Date:- 23/08/2022.


 Forwarded by:
 Deputy Conservator of Forests
 Kinnaur Forest Division
 at Reckong Peo
 Office Seal.....



Project Details

Sl. No.	Item	Details
1	Name of Project	Consultancy Services for preparation of DPR and detailed design of Roads and Bridges etc. for construction of High Altitude Hill Roads to Indo-China Border under Phase-II in the State of Himachal Pradesh using satellite imagery
2	Name of Road	Dubbing - Rishi Dogri - Gangtang Bralam
3	Length of Road	94.98 Km
4	No. of Structure	381 No's
5	Type of Structure	Hume Pipe Culvert

Design Parameters

Sl. No.	Item	Mountainous/Steep Terrain
1	Design speed (kmph)	30 Kmph, As per IRC:SP:48-1998, sub clause 6.3.1
2	Right of Way	18.00 m
3	Width of carriageway (m)	3.75 m
4	Paved shoulders	-
5	Shoulders	2 x 1.25 m
6	Camber/cross fall	
(i)	Carriageway & paved shoulders	2.5%
(ii)	Earthen shoulders	3.0%
7	Maximum super elevation	7%
8	Minimum Radii of horizontal curves (m)	30m Ruling /20m Absolute min.
9	Minimum length of vertical curves (m)	15 m
11	Drains	As per Design
12	Sight Distance	As per IRC:SP-23
13	Gradient	
(i)	Ruling Gradient	5%
(ii)	Limiting Gradient	6%
(iii)	Exceptional Gradient	7%



6.4.2.

Two types of sight distances are considered in design of hill roads. These are :

- Stopping sight distance which is the clear distance ahead needed by a driver to bring his vehicle to a stop before meeting a stationary object in his path. It is the sum of braking distance at the particular speed plus the distance travelled by the vehicle during perception and brake reaction time.
- Intermediate sight distance is defined as twice the stopping sight distance.

6.4.3. Design values of both sight distances and criteria for measurement of sight distance are given in Tables 6.2 and 6.3 below :-

Table 6.2. Design values of stopping and intermediate sight distance for various speeds

Speed (km/h)	Design values - metres	
	Stopping sight distance	Intermediate sight distance
20	20	40
25	25	50
30	30	60
35	40	80
40	45	90
50	60	120

Table 6.3. Criteria for measuring sight distance

Sl. No.	Sight Distance	Driver's eye height	Height of object
1	Safe stopping distance	1.2 m	0.15 m
2	Intermediate sight distance	1.2 m	1.2 m

6.4.4. On hill roads stopping sight distance is absolute minimum from safety angle and must be ensured regardless of any other considerations. It would be a good practice if this value can be exceeded and visibility corresponding to intermediate sight distance provided in as much length of road as possible. Advantage of intermediate sight distance is that the driver is able to get reasonable opportunities to overtake with caution and driving task becomes much easier.

6.4.5. Though a third category of sight distance i.e. Overtaking Sight distance is considered for roads in plains, it is not normally feasible/practicable on hill roads and hence not dealt with.

6.5. Width of Road Land, Roadway, Carriageway and Shoulders

6.5.1. Desirable widths of road land (right of way) for various categories of roads are given in Table 6.4

Table 6.4. Desirable Road Land widths (Metres)

Sl. No.	Road Classification	Open areas		Built up area	
		Normal	Exceptional	Normal	Exceptional
1	National and State Highways	24	18	20	18
2	Major District Roads	18	15	15	12
3	Other District Roads	15	12	12	9

In order to ensure proper sight distance, it may be necessary to acquire additional right of way over that indicated in the Table.

- Notes
1. Right of way should be enough to ensure minimum set back of 3 m for building line from edge of road land boundary.
 2. Additional land is required at locations involving deep cuts, high fills and unstable/landslide area.
 3. If the road is planned to be upgraded in the future, land width should correspond to higher class of road.

6.5.2. Width of carriageway, shoulders and roadway for various categories of roads are given in Table 6.5.

Table 6.5. Widths of Carriageway, Shoulder and Roadway

Highway Classification	Carriageway width (m)	Shoulder width (m)	Roadway width (m)
a National Highways and State Highways			
i. Single lane	3.75	2 x 1.25	6.25
ii. Double lane	7.00	2 x 0.9	8.8
b Major District Roads and other District Roads	3.75	2 x 0.5	4.75
c Village Roads	3.00	2 x 0.5	4.00

Notes

1. The roadway widths are exclusive of parapets (usual width 0.6 m) and side drains (usual width 0.6 m)
2. In hard rock stretches or unstable locations where excessive cutting may lead to slope failure, width may be reduced by 0.8 m on two lane and 0.4 m on other roads. Where Such stretches are to be provided continuously for long distances, passing places should be provided.
3. On horizontal curves, roadway width should be increased to provide for extra widening at curve.
4. On roads subject to heavy snow fall, where snow clearance is done over long periods, roadway width may be increased by 1.5 m. However, the requirement of such widening may be examined with reference to ground conditions in each case considering terrain, traffic and other influencing conditions/factors.

6.5.3. The clear roadway width on culverts and causeways (measured from inside to inside of parapet walls or kerbs) should be the same as given in Table 6.5 but for village roads the desirable is 4.25 m.

6.5.4. For bridges, the clear width between kerbs should be 4.25 m for single lane bridges and 7.5 m for double lane bridges.

6.6. Camber/Cross Fall

6.6.1. Generally, the pavement in straight reaches should be provided with a crown in the middle and surface on either side sloping towards the edge. In case of winding alignments where straight sections are few and far between, a uni-directional cross fall towards the hill side may be given having regard to factors such as the direction of super-elevation at the flanking horizontal curve, easy drainage and problem of erosion of downhill face etc. Typical section of road with camber and cross-fall is given in Fig. 6.4.

6.6.2. Camber/crossfall on straight section should be as follows :-

- | | | |
|-----------------------------------|---|--|
| a. Earth road | - | 3 to 4 per cent (1 in 33 to 1 in 25) |
| b. Gravel or WBM surface | - | 2.5 to 3 per cent (1 in 40 to 1 in 33) |
| c. Thin bituminous surfacing | - | 2.0 to 2.5 per cent (1 in 50 to 1 in 40) |
| d. High type bituminous surfacing | - | 1.7 to 2.0 per cent (1 in 60 to 1 in 50) |

MINUTES OF MEETING

52nd TECHNICAL COMMITTEE MEETING

Grand -

ON

INDO-BANGLADESH, INDO-PAK, INDO-CHINA,
INDO-NEPAL, INDO-BHUTAN AND INDO-
MAYANMAR
BORDER WORKS

29/12/2016

Date & Time: 29.12.2016 at 3.00 PM

Venue: Conference Room of DG, CPWD, Nirman
Bhawan, New Delhi-110011

12-113-
Sub: Minutes of Meeting of 52nd Technical Committee for border works held
on 29.12.2016 under the chairmanship of DG, CPWD.

The list of attendees is annexed.

- At the outset, the Chairman, TC extended a warm welcome to all the participants.
- After brief introduction, the Chairman TC, requested ADG (Border) CPWD to carry on the agenda items.

AGENDA ITEM NO. 1
IBS/INDO-PAK, INDO-
CHINA, INDO-NEPAL,
INDO-BHUTAN & INDO-
MAYANMAR
52nd TC/2016

Confirmation of the minutes of 51st TCM/2016 held on 03.11.2016.

- SE(P) BFR Cell apprised the TC that the minutes of 51st TC held on 03.11.2016 has been circulated by MHA vide letter no. 11013/38/2016-BM-III dt. 10.11.2016.
- SE(P) BFR Cell further apprised that subsequent to the issue of minutes JS(BM-I) suggested some minor corrections and modifications in agenda item no. 2, sub item no. 8 & sub item no. 13 which reads.

SN.	Agenda Item no.	MOM issued	Proposed modification / additions	Remarks
1.	Agenda item no. 2 Sub-item no. 8 Para-4	JS (BM) expressed his concern over delay in the matter as the very purpose of taking the work from BRO and its allotment to EPIL is defeated for want of issue of A/A & E/S.	JS (BM) expressed his concern over delay in the matter as the very purpose of taking the work from BRO and its allotment to EPIL was to expedite completion of fencing as the same is defeated for want of issue of A/A & E/S.	Insertion in para -4
2	Sub-item no 13 Para -6	ADG(Border) opined that since a doubt about the execution of proposals from phase-I to phase-II to phase-III has arisen the issue needs to be settled with all clarity.	JS (BM-I) emphasized that it is a fit case for an enquiry.	A new para after para 6

- Chairman TC approved the incorporation of above modifications / additions in the minutes issued and directed to issue corrigendum to this effect.

AGENDA ITEM NO. 2
IBB & INDO-PAK, INDO-
CHINA, INDO-NEPAL,
INDO-SHUTAN & INDO-
MAYANMAR

52nd TCM/2016

Technical Committee Meeting

SUB ITEM NO. 1
Pertaining to 44th

TC

Discussion on the report of the committee constituted to bring out improvements in BOPs by innovative Technology Development in the existing BOPs.

- SE(P), BFR Cell apprised the TC that complying with the directions of 50th TC the report was placed before the 51st TC for its consideration wherein during the deliberation, Chairman advised CE BFZ to take the help of BMTPC which has done extensive work in the area concern and arrange a presentation from them.
- As suggested by TC a presentation was made by Dy. Chief (BMTPC) covering the various innovative technologies being used by BMTPC specifically for low cost mass housing projects
- Dy. Chief (BMTPC) enumerated the various benefits like better thermal insulations, easy and fast erection, low cost, lightweight etc. of the various technologies being used by it.
- JS(BM-I) enquired about the life span of these structures to which Dy. Chief (BMTPC) assured that life span of these technologies is at par with the conventional material.
- Member representative from SSB was of the view that such innovations must be vigorously pursued for raising BOPs in the shortest possible time thereby saving on both monetary and opportunity cost.
- Director BM-IV enquired about the maintenance schedule of these structures to which Dy. Chief (BMTPC) assured that the same can be addressed with ease without any specialized man power.
- JS(BM-I) opined to form a working group headed by CE BFZ, CPWD and comprising of representatives from all the paramilitary forces to inspect and evaluate the ongoing works with such technologies and submit a report specific to the requirements of forces for BOPs. BFR Cell may constitute a working group and issue order under intimation to DoBM MHA.

SUB ITEM NO. 2
Pertaining to 44th

TC

Non-availability of e-Lekha in CPWD offices.

- SE(P), BFR Cell apprised the TC that the PFMS system of monitoring is being implemented in CPWD and as such the persuasion with e-lekha is no mere required.
- After due deliberation TC decided to drop the agenda for further discussion.

Sub-item no. 3
Pertaining to 44th

TC

RE-RAE for construction of Border Fencing along Indo-Bangladesh Border from Kamalasagar (BP No. 2039/M) to Radhanagar (BP No. 2042/M) Length 4.450 km in Tripura State: Job No. 2042/M) Length 4.450

Estimated Cost	: Rs. 7.78 Crore (Feb, 2006)
Revised Cost	: Rs. 8.51 Crore (Dec, 2009)
Re-revised Cost	: Rs. 10.44 Crore

(BRO)

Sub-Item No. 4
Pertaining to 44th
TC

Re-RAE for construction of Border Fencing along Indo-Bangladesh Border from 2259/IRI to BP no. 2262/M (length 5.20 Km) and BP no. 2264/35 to 2263/M (Length 2.6 Km) Jalaya – Dyke-IV Sector (Total length 7.80 km) in Tripura State (Job no. 745/197).

Original Cost	:	Rs. 1036.68 Lacs (2003)
Revised Cost	:	Rs. 1233.18 Lacs (2009)
Re-revised Cost	:	Rs. 1769.11 Lacs

Sub-Item No. 5
Pertaining to 44th
TC

Re-Revised approximate estimate for construction of border fencing along Indo-Bangladesh Border from BP - 1822 (Rangna) to BP 1831 (Paschim Chandrapur) length 7.867 km (Revised Length 7.585 km); Job no. 745/185.

Estimated Cost	:	Rs. 12.47 Crore (2005)
Revised Cost	:	Rs. 15.86 Crore (2009)
Re-Revised Cost	:	Rs. 15.85 Crore

Sub-Item No. 6
Pertaining to 44th
TC

Re-RAE for construction of Indo-Bangladesh Border fencing along with Indo-Bangladesh Border Bhagalpur-Haora 12.00 Km (Revised Length-10.888 Km) in Tripura State under Job No. 745/179.

Original Cost	:	Rs. 1602.13 Lacs (2003)
Revised Cost	:	Rs. 2007.04 Lacs (2009)
Re-revised Cost	:	Rs. 2131.91 Lacs

Sub-Item No. 7
Pertaining to 44th
TC

Re-RAE for Construction of Border Fencing Along Indo-Bangladesh Border from Dhaniabari to Amritpara (BP no 2262 main to 2263 main) length 7.610 km in Tripura State (Job no. 745/201)

Estimated Cost	:	Rs. 17.13 Crore (2002)
Revised Cost	:	Rs. 18.04 Crore (2009)
Re-Revised Estimated Cost	:	Rs. 22.50 Crore

Sub-Item No. 8
Pertaining to 44th
TC

Re-revised Cost for Construction of Border Fencing Along Indo-Bangladesh Border from BP 1800 (Tarakpur) to BP 1822 (Rangna) length 19.222. Km Job No. 745/139.

Estimated Cost	:	Rs. 26.20 Crore (2005)
Revised Estimated Cost	:	Rs. 30.62 Crore (2009)
Re-revised Estimated Cost	:	Rs. 35.12 Crore

- SE(P). BFR Cell apprised the TC about the background of the case and further informed that the A/A & E/S is yet to be issued for estimates approved by 32nd HLEC for want of receipt of modified estimate from EPIL duly crediting the inventory available with BRO.
- SE(P) BFR Cell also informed the TC about the receiving of modified estimate from EPIL accommodating the value of usable material as per inventory

- The BFR Cell consequently forwarded its recommendation to MHA of either agreeing with the estimate sent by EPIL or provide further direction to pursue the case to which MHA directed BFR Cell to put the case before the TC
- In the TCM, ADG(B) apprised that the BFR Cell not able to issue A/A & E/S BRO about the quantum of serviceable and unserviceable material because of which the findings of joint inspection team of BSF, EPIL & BRO could not bring the matter to closure
- The Chairman, JS (BM-I) and ADG(Border) expressed their displeasure on the way this case is being processed by BRO
- Chairman TC asked BRO to resolve the matter in seven days with a solution that is acceptable to both BRO and EPIL and as such bring the firm proposal by 6th of January 2017

After due deliberations TC directed BSF, BRO & EPIL to resolve the issue, DIG Ops (BSF) Sh. D.K. Boora will ensure and coordinate with BRO & EPIL to draw the proceedings of handing over / taking over of the inventory and finalization of the modified estimate. Dir. West (HQ) DG BR, BRO Shri A.K. Mishra will ensure the participation of concerned officer of BRO in the above proceedings. The proposals at SI No. 3, 5, 6 & 8 stands closed and BRO to submit final accounts to MHA.

Sub-Item No. 9

Pertaining to 49th TC Replacement of border fencing from Phase-I to Phase-III along Indo-Bangladesh Border between BP No. 954/6-S to 974/MP in Cooch Behar District of West Bengal Sector (Length – 23.00 km).

Estimated Cost: Rs. 24.25 Crore

Sub-Item no. 10
Pertaining to 49th TC

Replacement of Border fencing Phase-II to Phase-III from BP No 786/MP to 794/2S (20.223Kms) in Siliguri Sector, West Bengal SH: Earthwork, Culvert work, fencing & dismantling of old fencing from BP No 786/MP to 794/2S (20.223Kms).

Estimated Cost: Rs. 24.35 Crore

(CPWD)

(CPWD)

- SE(P), BFR Cell apprised the TC about the background of the case and further informed that the proposals were placed before 49th TC wherein TC directed CPWD to submit certain clarifications. TC was further apprised that though the clarifications have been submitted by CE IBZ-II, CPWD which make it clear that the subject estimates were not covered earlier either under ph-II or ph-III.
- SE(P) further apprised that in view of deliberations of technical committees and its final mandate in 51st TC a committee designated under the chairmanship of DIG (Ops) BSF, has been ordered, on dated 20.12.2016 to bring the issue to a conclusive end with all clarity. The committee has been asked to submit the report within 15 days to be placed before the Technical Committee.

After due deliberations TC directed the committee to finalize its report and place the same before the technical committee expeditiously in view of the sensitivity of the work.

Sub-Item No. 11
Pertaining to 49th TC

RDPR for construction / improvement of road Sugar Point – Pong (Km 0.00 to 23.40) and Pong to Point 4840 (Km 0.00 to km 7.40) to CI-09 specification (Total length 30.80 Km).

Estimated cost:

Rs. 49.55 Crore

Revised Estimated Cost: Rs. 108.96 Crore

(BRO)

- SEP) BFR Cell appraised the TC that the proposal is placed as agenda item no 7

Sub-item no. 12
Pertaining to 49th TC

Construction of Border Fence and Road along INDO-BANGLADESH Border in Meghalaya state from near Hangeria (near BP No 1304) to near Lajuri (near BP No 1322); approximate length-22.60 km - Re-revised Estimate (RE-3).

Original Estimated cost:

Rs. 42.37 Crore (2006)

Revised Estimated cost: (RE-I):

Rs. 52.93 Crore (2009)

RE-Revised Estimated cost:

Rs. 63.76 Crore. (2013)

RE-Re-Revised Estimate cost:

Rs. 127.89 Crore.

Sub-item no. 13
Pertaining to 49th TC

Construction of Border Fence and Road along Indo-Bangladesh Border in Meghalaya state from Jaliakhola (BP No 1299) to Hengaria (BP No.1304) and Lajuri (BP No. 1322) to Ratachera (BP No 1338); approximate length-31.194 km - Re-Re-revised estimate(RE3).

Estimated Cost:

Rs. 68.66 (2005)

Revised Estimate: (RE-I)

Rs. 76.79 (2009)

RE-Re Estimated: (RE-II)

Rs. 85.99 (2013)

RE-Re-Revised Estimate cost:

Rs. 139. 30 Crore.

- SE(P), BFR Cell appraised the TC about the background of the case and that

the proposals after complying the with the direction of 49th TC are awaited from NBCC.

(NBCC)

- Director BM-III appraised the TC that three modules of improvised fence are under consideration of MHA for which cost evaluation and analysis is awaited from CPWD.

- CE BFZ CPWD apprised that the cost evaluation of the improvised fence for all the three modules have been finalized and are being submitted to MHA.

Sub-Item No. 14
Pertaining to 51thTC

Extra ordinary repair of IBB roads i/c repair of WBM & premix carpeting in North Tripura.

SH-I: Extra ordinary repair of IBB road in North Tripura sector in Stretch ID No. IBBR-92. SH Premix carpeting from Ch. 4.00 Km to 18.00 Km and link road Arjuna 0.70 Km, L.R. Baithangbari to Tri Junction Ch. 0.30 Km L.R Babul Bazar to Herachera BOP Ch. 2.256 Km i/c repair work. (Total=17.256

Km)

SH-II: Extra ordinary repair of IBB road in North Tripura sector in Stretch ID No IBBR-92 SH. Repair of WBM & Premix carpeting from Ch. 24.50 Km to 27.863 Km and from BP No 1846 to 1849/21-S and 1856/27-S to 1860/Mp. Lathiapura to Tilla Bazar Ch. 4.556 Km & Link road Pongoti Ch. 0.955 Km
SH-III: Extra ordinary repair of IBB road in North Tripura sector in Stretch ID No IBBR-93 SH. Repair of WBM from Ch. 28.00 Km to 36.564 Km and premix carpeting from Ch. 17.00 Km to 36.546 Km, berm repair, retaining wall and drain from Ch. 17.00 Km to 36.564 Km, Link Road Halambari BOP. LR PWD road to existing Halambari Khasis Basti and Mike
Estimated Cost: Rs. 8.40 Crore.

- SE(P), BFR Cell appraised the TC about the background of the case and further informed that the revised proposal complying with the direction of TC is awaited from CPWD (CPWD)

After due deliberations, TC directed CE IBBZ-II, CPWD to submit the proposal expeditiously complying with the directions of 51st TC.

Sub-item no. 15 Improvement in Fencing by Innovative Technology
Pertaining to 51st TC Development – compliance of the Report of the Committee on Fencing. (CPWD)

- SE(P), BFR Cell appraised the TC about the background of the case and further informed that the drawings with improvised fence design stand approved by BSF.
- Director BM-III enquired about the cost evaluation for three modules of improvised fence as desired by Secretary (BM).
- CE BFZ CPWD informed that the cost evaluation and analysis for all the three modules are being submitted to MHA.
- Sub-item no.16 Standardization of Formation width / carriage way
Pertaining to 51st TC and specification of Border Roads.
- SE(P), BFR Cell appraised the TC that the above item is placed as agenda item no. 9

ITEM NO. 3 /IBB/	C/o Platoon Level BOP for BSF along IBB under composite scheme at Subhasnagar, J.L. No. 51 Mouza-Taki, Municipality-Taki P.S. Hasnabad in 24-Paraganas(N) District of WB.
52 nd /TCM/2016	Estimated Cost: Rs. 6.15 Crore. (Standalone Project) (CPWD)

- SE(P) BFR Cell apprised the TC about the background of the case and further informed that the preliminary estimate is for construction of platoon level BOP for BSF at Subhash Nagar, North 24-Paraganas West Bengal
- The estimate envisages RCC framed structure retaining wall, earthen bund borewell etc. complete on PAR rates.
- Director BM –III informed that the proposal is to be taken up as standalone one.
- Chairman TC opined that CPWD may explore the construction of BOP with new technology, if feasible, on the basis of presentation given by BMTPC.
- JS (BM-I) also opined that the proposed BOP could be executed as a pilot project with new technology within the projected cost.

After due deliberations, TC concurred the preliminary estimate amounting to Rs. 6.15 Crore for C/o Platoon Level BOP for BSF along IBB under composite scheme at Subhasnagar, J.L. No. 51 Mouza-Taki, Municipality-Taki P.S. Hasnabad in 24-Paraganas(N) District of WB and directed to place before the forthcoming HLEC for accord of A/A & E/S.

ITEM NO. 4 /IBB/	Construction of Platoon Level BOP for BSF along IBB under composite scheme at Jalalpur, J.L. No. 49 Mouza-Jalapur, Municipality-Taki P.S. Hasnabad in 24-Paraganas(N) District of WB.
52 nd /TCM/2016	Estimated Cost: Rs. 5.98 Crore. (Standalone Project) (CPWD)

- SE(P) BFR Cell apprised the TC about the background of the case and further informed that the preliminary estimate is for construction of platoon level BOP for BSF Jalalpur, J.L. No. 49 Mouza-Jalapur, Municipality-Taki P.S. Hasnabad in 24-Paraganas(N) District of WB
- The estimate envisages RCC framed structure retaining wall, earthen bund, borewell etc. complete on PAR rates.
- Director BM –III informed that the proposal is to be taken up as standalone one.

- Chairman TC opined that CPWD may explore the construction of BOP with the new technology, if feasible on the basis of presentation given by Dy. Chief BMTPC on EPS technology

After due deliberations, TC concurred the preliminary estimate amounting to Rs. 5.98 Crore for Construction of Platoon Level BOP for BSF along IBB under composite scheme at Jalalpur, J.L. No. 49 Mouza-Jalapur, Municipality-Taki P.S. Hasnabad in 24-Paragnas(N) District of WB and directed to place before the forthcoming HLEC for accord of A/A & E/S.

ITEM NO. 5	(A) Providing Border Flood Lighting along Indo-Bangladesh Border under different BSF SHQ in West Bengal (72 Km).
/IBB/	<u>Estimated Cost : Rs. 22.32 Crore (Standalone Project)</u>
52 nd /TCM/2016	(B) Providing Border Flood Lighting along Indo-Bangladesh Border in West Bengal Sector at Pirojpur CHAR [23/7-S to 10/5-S (9 KM Balance Length)], Malda SHQ.
	<u>Estimated Cost : Rs. 2.85 Crore (Standalone Project)</u> (CPWD)

- SE(P) BFR Cell apprised the TC about the background of the case and further apprised that the proposal relates to providing border flood lighting along IBB for a length of 81 km.
- The proposal envisages 11 mtr. High steel tumbler pole with 3x140 watt or 2x210 watt warm white (yellow LED Luminaries).
- The cost per km works out to Rs. 31 Lakhs (Approx.)

After due deliberations TC concurred the proposal for:

- (A) Providing Border Flood Lighting along Indo-Bangladesh Border under different BSF SHQ in West Bengal (72 Km) with an estimated cost of Rs. 22.32 Cr. and
- (B) Providing Border Flood Lighting along Indo-Bangladesh Border in West Bengal Sector at Pirojpur CHAR [23/7-S to 10/5-S (9 KM Balance Length)], Malda SHQ with an estimated cost of Rs. 2.85 Cr. and directed to place before the forthcoming HLEC for accord of A/A & E/S.

ITEM NO. 6	Estimation for the construction of Retaining wall as protection wall with side drain near BP No. 2320 fence (Pkg-X).
/IBB/	Estimated Cost: Rs. 7.81 Crore. (EPIL)
52 nd /TCM/2016	

- SE(P) BFR Cell apprised the TC about the background of the case and further informed that the proposal a standalone which envisages the construction of RCC wall 6 mtr High 351 mtr. long for protection of unstable hill slope.
- ADG(B) apprised that the proposal cannot be considered as a separate one because it is a part of revised sanction of Rs. 80.36 Cr. for Construction of IBB Road cum fence from BP No. 2319 to 2325.
- Chairman TC opined that EPIL should come up with revised proposal for complete stretch including ascertaining the technical liabilities of other options also
- After due deliberations, TC deferred the proposal and directed EPIL to frame a RPE including the proposal for a technically viable hill slope protection so as to place the same before the next TC for its consideration.

ITEM NO. 7	RDPR for construction / improvement of road Pong – Point 4840 (Km 0.00 to Km 7.40) CI-09(N) specifications in the State of Himachal Pradesh.		
/IBB/	Estimated cost	:	Rs. 60.05 Crore
	Modified Estimated Cost	:	Rs. 40.56 Crore
52 nd /TCM/2016	Corrected as per BFR Cell	:	Rs. 39.48 Crore
			(BRO)

- SE(P) BFR Cell apprised the TC about the background of the case and further informed that the proposal, is for construction / improvement of road from Pong to Point 4840 (km 0.00 to km 7.40) to CI-09 specification.
- SE(P) BFR Cell further apprised that the proposal was last placed in 49th TC with an estimated cost of Rs. 60.05 Cr. wherein TC after due deliberations directed BRO to modify the estimate in view of its high cost per km.
- The BRO complying with the direction of 49th TC has accordingly modified the estimate to Rs. 40.56 Cr., which has been corrected to Rs. 39.48 Cr.
- Director West BRO requested TC to consider 0.1% QC charges which has been deleted by BFR Cell. TC agreed to the proposition.
- This proposal is a part of CCS sanction of 27 Roads amount to Rs. 1937 Crores in respect of ICBR Project.

After due deliberations, TC concurred the proposal amounting to Rs. 39.48 Cr., after allowing 0.1% for QC charges for construction / improvement of road Pong – Point 4840 (Km 0.00 to Km 7.40) CI-09(N) specifications in the State of Himachal Pradesh and directed to place before the forthcoming HLEC for accord of A/A & E/S.

ITEM NO. 8	Revised Detailed Project Report for Construction of ITBP Road Indo-China from Ghastoli-Rattakona to CI-9 Surfaced Specification in State of Uttarakhand (Km 0.00 To Km 17.95).
/ICB/	
52 nd /TCM/2016	Estimated Cost : Rs. 45.07 Crore Revised Estimated Cost : Rs. 20.06 Crore
	(BRO)

- SE(P) BFR Cell apprised the TC about the background of the case and further informed that the proposal, is for foreclosure of the project as the impugned road is to be upgraded to CL-9(E) specifications.
- ADG(B) underscored the necessity of formally transfer the assets from MHA to MOD to which JS (BM-I) concurred and stated that MHA will pursue the matter with MOD so that it can be reflected in the CCS note also.
- This proposal is a part of CCS sanction of 27 Road amounting to Rs. 1937 Crores in respect of ICBR Project.

After due deliberations, TC concurred the proposal for foreclosure of the project restricting to Rs. 20.06 Cr., for construction of ITBP Road Indo-China from Ghastoli-Rattakona, CI-9 Surfaced Specification, to be upgraded to CL-9(E) in State of Uttarakhand (Km 0.00 To Km 17.95) and directed to place before the forthcoming HLEC for confirmation. Necessity of formal handing over of assets to MoD may be seen by MHA.

ITEM NO. 9	Standardization of Formation width / carriage way and specification of Border Roads.
/ICB/IBB/IPB/	
52 nd /TCM/2016	

- SE(P) BFR Cell apprised the TC that the proposal envisages to standardize the parameters of border roads for all the executing agencies.
- SE(P) BFR Cell further apprised that all the executing agencies were requested to give the suggestions in this regard, however no specific technical suggestions have come out.
- JS(BM-I) asked to invite the suggestions of Assam Rifles also.
- A comparative study of different parameters adopted by BRO, PMGSY and stipulated by SP 48 were placed before the technical committee for deliberations.
- JS(BM-I) emphasized that the parameters adopted should be sufficient to take heavy load and future demand of the traffic.
- ADG(Border) opined that ROW should be chosen to cater for future expansion also as land acquisition at a later stage become a strenuous process.

- After due deliberations TC finalized the following parameters:-

Single lane road width

- i) Right of way : 15 to 18 mtr, depending upon terrain
- ii) Carriageway width : 3.75
- iii) Shoulders : 1.0 mtr each side
- iv) Formation width : 5.75 mtr (excluding parapet and drain)
- v) On curvature : Extra width as per IRC
- vi) Speed : 30 Kmph
- vii) Traffic : Minimum 5 MSA or as per traffic study.

- TC further directed BFR Cell to take specific views of CRRI for deciding crust thickness in hard rock strata and place the proposal before HLEC for its confirmation/Approval.

ITEM NO. 10	Initiatives on the measures for revival of the Construction Sector.
52 nd /TCM/2016	SH: - Execution of projects under EPC mode.

- SE(P) BFR Cell apprised the TC that NITI AAYOG, while taking initiatives for revival of construction sectors asked all the ministries / Departments/ PSUS to substitute the items rate contract with EPC (Turnkey) contracts.
- SE(P) BFR Cell further apprised that pursuant to directions of NITI AAYOG MOUD has mandated that CPWD should execute the project costing more than Rs. 100 Cr. under EPC mode only.
- THE IFD MHA through 31st HLEC has also put forth for execution of projects on EPC mode. However no threshold value for the same was mentioned.
- ADG(Border) opined that projects costing more than Rs. 100 Cr. under MHA be also executed under EPC mode however for projects costing less than Rs. 100 Cr. where either the engineering parameters are already standardized or wherein the agencies executing such projects are not well equipped with required engineering strength the choice of execution of projects with or without EPC mode should be brought out before TC during technical appraisal of the projects itself.

After due deliberations TC concurred the proposal for execution of projects costing more than Rs. 100 Cr. mandatorily under EPC mode. The execution of projects, with cost less than Rs. 100 Cr., with or without EPC should be placed before TC for its consideration and approval by HLEC.

ITEM NO. 11	Use of special steel for barbed wire/mesh in saline areas.
52 nd /TCM/2016	CPWD

- ADG(Border) apprised the TC that the problem of severe corrosion in high saline area has been a matter of concern for the CPWD and find a solution for the same interactions were carried out with SAIL to suggest the remedial solutions.
- ADG(Border) further apprised that SAIL after interaction with their R&D setup at Ranchi & Bhilai, has suggested views of IS 7887 Grade – V with alloy addition in chemical composition as Cu: 0.25 -0.35%, Cr: 0.30 to 0.40 Ph 0.07 – 0.12% The cost of this steel would be more by 15 to 17% of steel being used presently.
- Shri Suresh Tiwari, DGM, SAIL representative apprised that the cost is likely to come down when more demand of the same is placed with SAIL.
- Director (BM-III) opined that the proposal should be first placed before MHA for examination. The same was consented to by JS(BM-I).

After due deliberations TC deferred the proposal with a direction to BFR Cell to first place the proposal for MHA for its considerations.

The meeting ended with a vote of Thanks to the Chair.

(K-118)

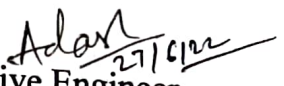
Subject: - Proposal for the Diversion of 50.091 ha. of Forest land in favour of ITBP Floor 03 Block 02, CGO Complex, Lodhi road New Delhi for the construction of Dubling Rishi Dogri-Lamche Dogri Road within the Jurisdiction of Kinnaur Forest Division. (Online proposal no FP/HP/ROAD/145666/2021)

वचनबद्धता

प्रयोक्ता अभिकरण यह वचनबद्धता प्रस्तुत करती है कि as the road is of strategic importance and proposed for connecting Border Out Post of ITBP and Army. So, this alignment is inescapable and also approved by Directorate General ITBP, MHA, Govt. of India. Approved alignment is also enclosed.

It is also certified that list of minimum trees were enumerated in the joint inspection with forest officials on dated 13/12/2021. (Copy enclosed)

It is also here by ensured that least possible no of trees will be felled down during actual execution of work.


Executive Engineer,
ICBRPD-III, CPWD,
Reckong Peo
Kinnaur.

Enumeration List of Trees which are coming in the area of

Dubling - Pishi Dogri - Lamela Dogri Road from 0.00 to 15.00 Km in respect of mooring range as under

SNO	Species	Dis	Class	Remarks
1/021	Neoge	12-13	I	Green Standing
2/021	do -	15-16	I	do -
3/021	do -	17-18	I	do -
4/021	do -	17-18	I	do -
5/021	do -	18-19	I	do -
6/021	do -	22-23	IV	do -
7/021	do -	15-16	I	do -
8/021	do -	18-19	I	do -
9/021	do -	18-19	I	do -
10/021	do -	15-16	I	do -

ABSTRACT

Chilguz	I	IV	III	Volume	Total
	9	1	-	0.312 m ³	10 Trees

Deputy Conservator of Forests,
Kinnaur Forest Division at R/Peo HP.

[Signature]
Range Forest Officer
Mooring Range

Enumeration list of Trees which are coming in the alignment of "Dubling - Rishi Dogri - Lamela Dogri Road from 0.00 + 25 Km in respect of Poth Range as under:-

SNO	Species	Dia	Class	Remarks
1/2021	Chilgoza	17-18	V	Green standing
2/2021	-do-	37-38	III	-do-
3/2021	-do-	17-18	V	-do-
4/2021	-do-	27-28	IV	-do-
5/2021	-do-	17-18	V	-do-
6/2021	-do-	35-36	III	-do-
7/2021	-do-	41-42	IIA	-do-
8/2021	-do-	41-42	IIA	-do-
9/2021	-do-	37-38	III	-do-
10/2021	-do-	38-39	III	-do-
11/2021	-do-	14-15	V	-do-
12/2021	-do-	16-17	V	-do-
13/2021	-do-	53-54	IIB	-do-
14/2021	-do-	47-48	IIA	-do-
15/2021	-do-	37-38	III	-do-
16/2021	-do-	17-18	V	-do-
17/2021	-do-	14-15	V	-do-
18/2021	-do-	21-22	IV	-do-
19/2021	-do-	32-33	III	-do-
20/2021	-do-	16-17	V	-do-
21/2021	-do-	47-48	IIA	-do-
22/2021	-do-	32-33	III	-do-
23/2021	-do-	34-35	III	-do-
24/2021	-do-	13-14	V	-do-
25/2021	-do-	52-53	IIB	-do-
26/2021	-do-	16-17	V	-do-
27/2021	-do-	16-17	V	-do-
28/2021	-do-	32-33	III	-do-
29/2021	-do-	17-18	V	-do-
30/2021	-do-	21-22	IV	-do-
31/2021	-do-	37-38	III	-do-

	<u>Spks</u>	<u>Qu</u>	<u>Class</u>	<u>Remarks</u>
2021	Chilgozs	37-38	III	Green standing
30/021	- do -	16-17	V	- do -
34/021	- do -	17-18	V	- do -
35/021	- do -	17-18	V	- do -
36/021	- do -	35-36	III	- do -
37/021	- do -	17-18	V	- do -
38/021	- do -	32-33	III	- do -
39/021	- do -	17-18	V	- do -
40/021	- do -	17-18	V	- do -
41/021	- do -	17-18	V	- do -
42/021	- do -	17-18	V	- do -
43/021	Deodar	52-53	II B	- do -
44/021	- do -	37-38	III	- do -
45/021	- do -	17-18	V	- do -
46/021	- do -	35-35	III	- do -
47/021	- do -	17-18	V	- do -
48/021	- do -	25-26	IV	- do -
49/021	- do -	25-26	IV	- do -
50/021	Chilgozs	37-38	III	- do -
51/021	- do -	38-39	III	- do -
52/021	- do -	14-15	V	- do -
53/021	- do -	16-17	V	- do -
54/021	- do -	53-54	II B	- do -
55/021	- do -	47-48	II A	- do -
56/021	- do -	37-38	III	- do -
57/021	- do -	17-18	V	- do -
58/021	- do -	32-33	III	- do -
59/021	- do -	34-35	III	- do -
60/021	- do -	13-14	V	- do -
61/021	- do -	16-17	V	- do -
62/021	- do -	52-53	II B	- do -
63/021	- do -	16-17	V	- do -

SNo	Spes	Dis	Class	Remarks
64/2021	Chilgoza	16-17	II	Green standing
65/2021	do -	16-17	II	do -
66/2021	do -	32-33	III	do -
67/2021	do -	17-18	V	do -
68/2021	do -	21-22	IV	do -
69/2021	do -	37-38	III	do -
70/2021	do -	16-17	V	do -
71/2021	do -	17-18	V	do -
72/2021	do -	17-18	V	do -
73/2021	do -	35-36	III	do -
74/2021	do -	17-18	V	do -
75/2021	do -	32-33	III	do -
76/2021	do -	17-18	V	do -
77/2021	do -	17-18	V	do -
78/2021	do -	16-17	V	do -
79/2021	do -	37-38	III	do -
80/2021	do -	17-18	V	do -
81/2021	do -	55-56	II B	do -
82/2021	do -	47-48	II A	do -
83/2021	do -	42-43	II A	do -
84/2021	do -	47-48	II A	do -
85/2021	do -	47-48	II A	do -
86/2021	do -	35-36	III	do -
87/2021	do -	37-38	III	do -
88/2021	do -	47-48	II A	do -
89/2021	do -	35-36	III	do -
90/2021	do -	17-18	V	do -
91/2021	do -	36-37	III	do -
92/2021	do -	25-26	IV	do -
93/2021	do -	19-20	V	do -
94/2021	do -	16-17	V	do -
95/2021	do -	16-17	V	do -

S.No	Spb	Dis	Class	Remarks
96/2021	Chilgoz	21-22	IV	Green standing
97/2021	do -	17-18	V	do -
98/2021	do -	32-33	III	do -
99/2021	do -	16-17	V	do -
100/2021	do -	16-17	V	do -
101/2021	do -	34-35	III	do -
102/2021	do -	32-33	III	do -
103/2021	do -	21-22	IV	do -
104/2021	do -	14-15	V	do -
105/2021	do -	17-18	V	do -
106/2021	do -	37-38	III	do -
107/2021	do -	47-48	IIA	do -
108/2021	do -	16-17	V	do -
109/2021	do -	14-15	V	do -
110/2021	do -	38-39	III	do -
111/2021	do -	37-38	III	do -
112/2021	do -	17-18	V	do -

ABSTRACT

S.No	Spb	Class					Total
		V	IV	III	IIA	II B	
1	Chilgoz	49	7	33	11	5	105 Nos
	Volume	0.882	1.05	13.86	9.57	6.25	31.61 m ³
2	Deodar	2	2	2	-	1	7
	Volume	0.06	0.46	1.42		2.55	4.49 m ³
Total Trees							112 Nos

13/12/2021
SANJEEV KUMAR RATHEE
 Assistant Engineer
 ICBRPD-III, CPWD,
 Reckong PEO
 Kinnaur, H.P.-172107

Deputy Conservator of Forests

13/12/2021