

By email

No. F.6-1311/FC/For-2021/ 940 - 45

Government of Tripura

Office of the Principal Chief Conservator of Forests & HoFF

Tripura : Agartala

Dated 8 / 11 / 2021

To
The Deputy Director General Forests (Central),
Ministry of Environment Forests & Climate Change
North Eastern Regional Office
Law-U-Sib, Lumbatngen
Near M.T.C. Workshop
Shillong 793021

Sub: - Proposal for diversion of 82.6044 ha of forest land for widening / improvement of Lalcherra-Kanchanpur section road of NH-44A to two laning widening paved shoulders under Dhalai, Unakoti & North District by NHIDCL- reg

Ref: - Letter No.3- TR A 057/2021-SHI/1632-33 dated 08.10.2021

Madam,

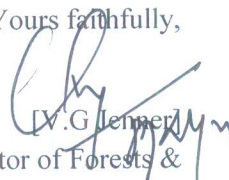
With reference to the above, kindly find enclosed herewith the following information for your consideration.

1. The user agency has submitted justification/ clarification over the proposed area (Copy enclosed as Annexure-A).
2. The final list of trees to be effected and to be checked and to be countersigned by the CF (Copy enclosed as Annexure-B)
3. The concerned DFOs has submitted justification and break up of the fund requirement (Copy enclosed as Annexure-C).
4. A comment from the CWLW is enclosed as Annexure-D.
5. The concerned DFOs have submitted scheme for Avenue Plantation (Copy enclosed as Annexure-E).
6. The CF has submitted site inspection report (Copy enclosed as Annexure-F)
7. The user agency has submitted Muck Dumping Plan (Copy enclosed as Annexure-G).

In view of the above, I would request you to kindly take further needful action in the matter.

Yours faithfully,

Encl: - As stated


Chief Conservator of Forests &
Nodal Officer, FCA

Copy to:-

1. The Addl. Principal Chief Conservator of Forests & CWLW, Tripura for kind information.
2. The Executive Director (P), Regional Office, NHIDCL, Agartala, 3rd Floor, UD Bhawan, Near Ravindra Bhawan, Sukuntala Road, Tripura-799001 for kind information and needful please.
3. The District Forest Officer, North/ Unakoti/ Dhalai.


Chief Conservator of Forests &
Nodal Officer, FCA

o/c

F.NO. NHIDCL/PMU Dmr/DPR/44A/P-II/7(3)/2021-22/ **505**

Date: 29.10.2021

To,

The Asst. Chief Conservator of Forests & Nodal Officer (FCA)
O/o the Principal Chief Conservator of Forests
West Tripura, Agartala, 799006

Annexure:-A

Sub: Proposal for diversion of 82.6044 ha of forest land for improvement & upgradation of Lalchara-Kanchanpur section (Km 16.077 - Km 43.935) of NH-44A to two laning with paved shoulders. (Package-2) under Dhalai, Unakoti & North District / **Submission of additional information requested by MoEF&CC, Regional Office, Shillong - reg.**

Ref.: (i) DCF letter No. F.6-1311/FC/ For-2021/26792, dated: 26.10.2021
(ii) IRO, MOEF&CC, Shillong letter No. 3-TR A 057/2021-SHI-1632-33, dated: 08.10.2021

Sir,

1. With reference to subject cited above & vide letter under ref. (i), you have forwarded the letter received from IRO, MOEF&CC, Shillong under ref. (ii), with a request to submit information pertaining to sl. No 1 & 7 of the aforesaid letter for onward submission to IRO, MOEF&CC, Shillong. The Point wise replies are as under:

Sl. No.	Observation Sl. No.	Observation	Compliance
1.	1.	In the proposal submitted it is seen that from chainage 16077 to 42500 the existing ROW is given as '0'. State Govt. may clarify if this proposal covering 26.423 km is a new road alignment. If so; (i) The three alternative routes may be provided. (ii) The total length in which new alignment has been proposed may be given Division-wise.	As the name of the project suggests, the instant proposal is of "Improvement & Up-gradation" of existing road as per the norms set-forth for National Highways and inline with MoRT&H standards & IRC guidelines. The existing road was a PMGSY and ODR under the jurisdiction of PWD Department, Govt. of Tripura and has been taken over by NHIDCL for the said Project. The handing/taking over memorandum is enclosed for your ready reference. The details of existing ROW mentioned in the proposal from Km 16077 to Km 42500 is 0(zero) as informed and mentioned in the handing/taking over memorandum. In view of above it is evident that the said proposal is not a new road alignment.
2.	7.	Muck Dumping Plan with details - Area required in forest land & non-forest land; Whether included in proposal for diversion of 82.6044 ha, details and quantity of muck generated, muck to be used etc.	The soft copy of Muck disposal report and plan were already submitted on "Parivesh Portal" and hard copy was submitted to O/o PCCF on 14.07.2021. However, the same is again enclosed for ready reference.

2. In view of above, the compliance as stipulated above may be transmitted to IRO, MOEF&CC, Shillong for obtaining forest diversion clearance for subject project at the earliest.

Encl.: As stated.

Yours Sincerely

(Lt Col Gurmit Singh, Retd.)
General Manager (Projects)

Copy to:

The General Manager (LA), NHIDCL, RO-Agartala: for info please.

District wise lists of the actual number of trees are to be felled over the proposal for diversion of 82.6044 ha area comprising 3 district.

District	Species		Girth class (in cm)						
	Local name	Botanical name	0-30	31-60	61-90	91-120	121-150	>151	Total nos tree
Unakuti	Awal	<i>Vitex penduncularis</i>	-	03	26	37	25	47	138
	Banak/ba her	<i>Terminalia belerica</i>	-	00	07	04	00	02	13
	Bat	<i>Ficus bengalensis</i>	-	00	00	00	00	01	01
	Gamar	<i>Gmelina arboriea</i>	-	03	35	78	64	97	277
	Harish	<i>Albiza stipulata</i>	-	00	07	07	09	11	34
	Jam	<i>Syzygium spp</i>	-	00	01	02	01	07	11
	Karai	<i>Albizia procera</i>	-	01	13	16	21	38	89
	Longchak	<i>Parkia speciosa</i>	-	03	05	06	00	01	15
	Moroi	<i>Anogeissus acuminata</i>	-	00	05	16	09	21	51
	Neem	<i>Azadirachta indica</i>	-	00	02	02	04	06	14
	Ordinary/Kanak	<i>Schima wallichii</i>	-	20	91	76	45	49	281
	Poma	<i>Schleichera trijuga</i>	-	00	02	03	01	04	10
	Simul	<i>Bombax ceiba</i>	-	00	04	06	06	03	19
	Teak	<i>Teaktona grandis</i>	-	02	07	24	21	12	66
		District total	-	32	205	277	206	299	1019
Dhalai	Teak	<i>Teaktona grandis</i>	-	09	71	100	100	109	389
	Karai	<i>Albizia procera</i>	-	-	-	03	15	12	30
	Gamar	<i>Gmelina arboriea</i>	-	03	23	37	38	26	127
	Kanak	<i>Schima wallichii</i>	-	-	-	01	01	07	09
	Jam	<i>Syzygium spp</i>	-	01	00	04	01	06	12
	Am	<i>Mangifera indica</i>	-	01	05	01	-	03	10
	Kathal	<i>Artocarpus lakoocha</i>	-	04	06	02	01	00	13
	Bat	<i>Ficus bengalensis</i>	-	-	-	-	-	03	03
	Simul	<i>Bombax ceiba</i>	-	-	02	03	-	01	06
	Yanchak	<i>Parkia speciosa</i>	-	-	02	-	-	-	02
	Sajna	<i>Morinda oleifera</i>	-	04	07	-	02	-	13
	Tetul	<i>Tarmarrindus indica</i>	-	-	01	-	-	-	01
	Harish	<i>Albizia stipulata</i>	-	02	-	-	-	01	03
	Chamal	<i>Artocarpus lakoocha</i>	-	-	-	-	01	03	04
	Awal	<i>Vitex penduncularis</i>	-	-	03	02	01	03	09
	Morai	<i>Anogeissus acuminata</i>	-	-	11	16	11	12	50
	Udhal	<i>Sterculia villosa</i>	-	-	-	01	-	-	01
	Borai	<i>Ziziphus zuzuba</i>	-	-	-	-	02	-	02
	Puma	<i>Toona ciliata</i>	-	-	-	-	01	-	01
	Kaimala	<i>Anthocephalus indicas</i>	-	01	01	-	-	-	02
	Rata	<i>Amoora wallichii</i>	-	01	03	06	03	06	19
	Jiol	<i>Adina woder</i>	-	-	03	04	04	-	11
	Chalta	<i>Dellenia indica</i>	-	-	-	01	-	-	01
	Khurola	<i>Aporosa dioica</i>	-	-	07	21	15	05	48
	Bhadi	<i>Lancea cormandela</i>	-	-	15	07	12	08	42

	Hargaga	<i>Dellenia pentagyna</i>	-	-	07	20	15	17	59
	Pisla	<i>Grewia microcos</i>		06	17	09	14	08	54
	Medda	<i>Trevis nudiflora</i>	-	-	13	23	11	15	62
		District total	-	32	203	270	253	252	1010
North	Awal	<i>Vitex penduncularis</i>	-	-	02	0	01	04	07
	Accacia	<i>Accacia spp</i>	-	-	0	05	01	04	10
	Teak	<i>Teaktona grandis</i>	-	-	301	509	389	278	1477
	Banmala	<i>Callicarpus arborea</i>					01	01	01
	D/Chamal	<i>Artocarpus spp</i>	-	-	01	02	01	07	11
	Gamar	<i>Gmelina arboriea</i>	-	-	51	93	50	36	230
	Harish	<i>Albizia stipulata</i>	-	-	0	01	0	01	02
	Jam	<i>Syzygium spp</i>	-	-	01	0	02	14	17
	Morai	<i>Anogeissus acuminata</i>	-	-	04	0	06	14	24
	Simul	<i>Bombax ceiba</i>	-	-	0	0	03	04	07
	Medda	<i>Trevis nudiflora</i>	-	-	15	26	19	20	80-
	Karai	<i>Albizia procera</i>	-	-	0	0	03	10	13
	Kanak	<i>Schma wallichii</i>	-	-	01	02	03	07	13
	Am	<i>Mangifera indica</i>	-	-	01	04	03	01	09
	Garjan	<i>Dipterocarpus spp</i>	-	-	0	04	08	11	23
	Chamal	<i>Artocarpus lakoocha</i>	-	-	02	01	03	01	07
	Sal	<i>Shorea rubusta</i>	-	-	10	23	26	11	70
	Dumur	<i>Ficus recemosa</i>	-	-	-	01	0	0	01
	Kathal	<i>Artocarpus lakoocha</i>	-	-	-	-	01	02	03
	Poma	<i>Schleichera trijuga</i>	-	-	01	-	0	09	10
	Sonal	<i>Casia fistula</i>	-	-	0	0	0	07	07
	Mandar	<i>Erythrono suberosa</i>	-	-	-	01	01	0	02
	Neem	<i>Azadirecta indica</i>	-	-	-	-	01	0	01
	Sundi	<i>Michelia montana</i>	-	-	-	-	03	07	10
	Udhal	<i>Sterculia villosa</i>	-	-	-	-	01	0	01
	Bat	<i>Ficus bengalensis</i>	-	-	-	-	-	01	01
		District total			390	672	526	449	2037
		Grand total							4066


 21/11/2021
 (Sushil Debbarma, IFS)
 Conservator of Forests,
 Govt. of Tripura.

Dated, 03/11/2021.

To
The Chief Conservator of Forests & Nodal Officer, FCA
O/o the PCCF, Tripura, Agartala.

Subject: - Proposal for diversion of 82.604ha of forest land for widening/improvement of road from Lalcherra to Kanchanpur section (package-2) of NH-44A to lanning with paved shoulder under Dhalai District.

Reference: - No. F.6-1311/FC/For-2021/26775-777 dated 26-10-2021.

Sir,

With reference to the subject cited above, I am furnishing hereunder the reply of the following observations in connection with diversion of 82.604ha of forest land for widening/improvement of road from Lalcherra to Kanchanpur section (package-2) of NH-44A to lanning with paved shoulder under Dhalai District.

SN	Observations	Reply		
2	The User Agency has given undertaking of trees to be affected with a rider that the number of trees to be affected and detailed will be given after Joint verification. Hence, state govt. may submit the final list of trees to be affected and to be checked and countersigned by the CF.	Copy of the tree enumeration list is enclosed. (Annexure-I)		
3	State govt. has demanded total amount at Rs.3.12crore. on detailed breakup, justification and relevance of the project with different activities to be undertaken by state govt. may be furnish.	Amount (In lakh)	Details breakup	Justification
		40.0	Procurement of fully customised animal rescue Van (Vehicle).	Since there is significant and endangered species of wild animals like Leopard Cat, Slow Loris, Indian Python, Jungle cat, Himalayan Masked Palm Civet, Large Indian Civet, Small Indian Civet, Common Palm Civet, Himalayan yellow throated Marten, Indian Porcupine etc. present in the area, if any incident or accident takes place on wild animals in future, it has to be referred to Sepahijala Zoological Park for proper treatment and nourishment by the animal rescue van with due care to safe the animal life.
		8.0	procurement of wildlife monitoring equipments	For monitoring of wild animals present as mentioned over the area.
		25.0	Ex-situ conservation of NTFP and local endangered medicinal plants.	The area has richness of NTFPs and local endangered medicinal plants. So, it is required to preserve/conservse those NTFPs and medicinal plants through Ex-situ conservation.
		40.0	Establishment of permanent Depot	The proposed area is having an older teak plantation area including naturally growing tree species and will be involved lot of extraction of timber departmentally. So, for safely keeping of those timber, establishment of permanent timber depot is required.
5	Road side Avenue plantation with scheme and to be tactically approved by competent authority, if any.	15.0	Purchasing one patrolling vehicle	The area is very much vulnerable to illegal felling of valuable trees and prone to encroachment. So for strengthening of protection measures and regular patrolling by the forest protection staff over the area, purchasing of one patrolling vehicle is required.
		Estimate copy of Avenue plantation is enclosed. (Annexure-II)		

This is for your kind information and doing the needful please.

Encl:- As stated Annexure-I & II

Yours faithfully
2/11/21
(Amit Debbarma, IFS)
District Forest Officer
Dhalai District, Ambassa

Government of Tripura
Office of the District Forest Officer
North District, Tripura
Phone & Fax-03824-261238 E-mail-

No.F. 5-23/Land NH44 A Lalchara-KCP/DFO(N)/DMN-2021/8207 -10 Dt. 05/11/2021.

To
The Deputy Conservator of Forest (FHQ),
Office of the PCCF, Tripura Agartala.

Subject: - Proposal for diversion of 82.6044 ha of Forest land improvement or widening of two laning with paved shoulder of Lalchara-Kanchanpur Section (pakage-2) of NH-44A under DFO Unakoti-regarding.

Reference:- No.F.6-1311/FC/For-2021/26775-777 dt, 26/10/2021 DCF (FHQ).

Sir,

With reference to the subject cited above, I hereby furnishing herewith the information at Sl. No. 3 as under given bellow:-

Point No.3 State Govt. has demanded total amount at Rs. 3.12 crore. On detailed breakup, justification and relevance of the project with different activities to be under taken by State Govt. may be furnish.

Reply...

Various permanent assets of the forest department may be lost due tot the roads aliment, so adequate compensation of 43.51 lakhs may be deposited towards the development of the same.

Name of project	Name of Range	Name of assets	Quantity/length/no/Ha	Valuable of loss (Rs.)	Remarks
Diversion of 11.25 ha. Of forest land for improvement/widening of NH44 A from Lalcharra-Kanchanpur.	Kanchanpur	Chain link fencing	2 KM	20.0 lakh	For protection of exposed forest area due to road widening.
		Timber shed house	Part	11.88 lakh	To reconstruct demolished shed due to road widening.
		Boundary wall of FPU complex	Part	11.63 lakh	Reconstruct wall due to road widening.
Total=				43.51 Lakh	

Further the new road would be leading to the felling of as much as 2685 trees and the various forest nearby would be affected, hence require an adequate compensation in terms of livelihood towards the various communities dependent upon the forest, and the development of the Eco tourism site at Sanandhapara waterfall hence demanded the fund of Rs. 50 lakh towards the development of various resource at the waterfall area may be provided with.

This is for favour of kind information and doing the needful please.

Yours faithfully,




[JayakrishnanVK, IFS]
District Forest Officer
North, Tripura

Copy to:-

- 1) The CCF (T) for kind information.
- 1) The Nodal Officer (FCA), O/o the PCCF, Tripura for kind information.
- 2) The General Manager, NHIDCL, Agartala for kind information.


District Forest Officer
North, Tripura

Government of Tripura
Office of the Principal Chief Conservator of Forest
Tripura : Agartala

Dated:- Agartala, the 8th November, 2021

To
The Nodal Officer &
Chief Conservator of Forests, FCA
Office of the PCCF&HoFF
Aranya Bhawan, Agartala

Subject: - Proposal for diversion of 82.6044 ha of forest land for improvement or widening of Lalcherra-Kanchanpurung section road of NH-44(A) to two lane with paved shoulders under DFO, Dhalai, Unakoti & North District by NHIDCL. -regarding.

Ref:- Letter No.3-TR A 057/2021-SHI-1632-33 dated 08/10/2021 of MoEF & CC, Shillong.

Sir,

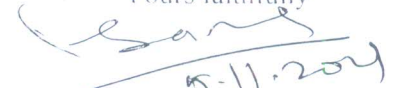
In reference to the above, the following comments are furnished in respect to Para-4 of the letter No. 1632-33 dated 08/10/2021 of the DIGF (C) MoEF & CC, Shillong.

2. The proposed diversion site goes through Reserve forest having both plantation and natural growing trees and vegetation. As reported the area is having many endangered & threatened wildlife animals like Leopard Cat, Slow Loris, Indian Python, jungle cat, Himalayan masked Palm Civet, large Indian Civet, Small Indian Civet, common Palm civet, Himalayan Yellow throated Marten, Indian Porcupine, Monitor Lizard, Red Jungle Fowl, wild pig etc. and also different bird and butterfly species present in the area. The observation on the site inspection report of DFO, Dhalai is approved and accepted by the undersigned.

3. This is for your information and doing the needful.

Encl:- As stated

Yours faithfully


[R.K. Samal]

Additional Principal Chief Conservator Forests
& Chief Wildlife Warden, Tripura

Annexure 'E'

Estimate for creation & maintenance of Avenue plantation with tall polybag seedlings

Total Length of the road=9.92 km

Plantation @ 200 Nos. seedling per KM

1 st (first) year plantation							
Sl. No.	Item of works	Length [in km]	Wages		Total wages [in Rs.]	Materials	Total Amount [in Rs.]
			DLs per km	Per DLs (Rs)			
1	Survey and Site Cleaning	1.00	50.00	212.0	10600.00	0.00	10600.00
2	Staking	1.00	5.00	212.0	1060.00	0.00	1060.00
3	Digging of pits[1mx1mx1m]	1.00	70.00	212.0	14840.00	0.00	14840.00
4	Refilling and Planting	1.00	70.00	212.0	14840.00	0.00	14840.00
5	Watering	1.00	-	-	-	3500.00	3500.00
6	Vacancy filling and weeding	1.00	100.00	212.0	21200.00	-	21200.00
7	Watch & Ward during dry season specially for protection activity	1.00	-	-	-	18000.00	18000.00
8	Providing traingular bamboo plant guard @Rs.300.00 each	1.00	-	-	-	60000.00	60000.00
9	Cost of tall seedlings (size 50 cm x 30 cm) @200 Nos/km.	1.00	-	-	-	40000.00	40000.00
10	Seedling carrying upto plantation site	1.00	-	-	-	10000.00	10000.00
11	Monitoring and Evaluation	-	-	-	-	1000.00	1000.00
Total Cost for 1KM=							195040.00
Total Cost for 1KM both side (192975 x2)							390080.00
Total Cost of 9 km both side (385950x 9.92)							3869593.60
12	Cost of 2 nos signboards etc complete @5000/- per sign board (5000 x 2)					10000.00	10000.00
Total							3879593.60
Add 3% contingency							116387.81
Total							3995981.41
Provision for 10% anticipatory increase in wages and materials							399598.14
Grand Total for 1st Year plantation							4395579.55
Say							4395580.00
2 nd (second) year maintenance							
Sl. No.	Item of works	Length [in km]	Wages		Total wages [in Rs.]	Materials	Total Amount [in Rs.]
			DLs per km	Per DLs (Rs)			
1	Weeding	1.00	30.00	212.0	6360.00	0.00	6360.00
2	Vacancy filling (20%)	1.00	5.00	212.0	1060.00	0.00	1060.00
3	Watch & Ward during dry season specially for protection activity	1.00	0.00	0.0	0.00	18000.00	18000.00
4	Maintenance of bamboo plant guard (LS)	1.00	-	-	0.00	20000.00	20000.00
Total Cost for 1 km=							45420.00
Total cost for 1km both side (45175 x 2)							90840.00
Total cost for 9 km both side (89440 x 9.92)							901132.80
Add 3 % contingency							27033.98
Total							928166.78
Provision fo 15%anticipatory increase in wages and materials							139225.02
Grand Total for 2nd year maintenance							1067391.80
Say							1067392.00

Cont. P/2

District Forest Officer,
Dhalai District.

528.

Government of Tripura
Office of the District Forest Officer
North District, Dharmanagar

No.F5-23/Land-NH-44A-Lalchara-KCP/DFO(N)/DMN-2021/ 8082-85

Dt,30/10/2021.

To
The Assistant Conservator of Forest (FCA),
Office of the PCCF, Tripura Agartala.

Subject: - Proposal for diversion of 82.6044 ha of Forest land improvement or widening of two laning with paved shoulder of Lalchara-Kanchanpur Section (package-2) of NH-44A under DFO ~~North~~ regarding.

Reference: - No.F.6-1311/FC/For-2021/26775-777 dt, 26/10/2021 DCF (FHQ).

Sir,

With reference to the subject cited above, I hereby furnishing herewith the information at Sl. No. 2, 3 & 5 as under given bellow:-

2. Reply: - Tree list already submitted by SDFO, Kanchanpur after field visit and as per report of User Agency (Copy attached). Total number of tree to be felled in forest land 2037.
3. Reply: - Not pertaining to this office.
5. Reply: - **Avenue plantation not required as** the near road is inside forest and trees exist on either side. Bamboo Jungra rate of Forest Department order is attached herewith

This is for favour of kind information and doing the needful please.

Yours faithfully,


[JayakrishnanVK, IFS]
District Forest Officer
North District, Dharmanagr

Copy to:-

- 1) The CCF (T) for kind information.
- 2) The Nodal Officer (FCA), O/o the PCCF, Tripura for kind information.
- 3) The General Manager, NHIDCL, Agartala for kind information.


District Forest Officer
North District, Dharmanagr

Estimate for creation & maintenance of avenue plantation with tall polybag seedling along with Jacherra-Kanchanpur section (Package-2) of NH-44 (A) 2 laning with paved shoulders under Unakoti District.

Total length of plantation = 6 Km (1 Km Road length)

Plantation @ 200 Nos. seedling per Km.

First Year

Sl. No.	Item of Works	Length (in Km)	Wages			Materials	Total Amount. (₹)
			DL ₹ per Km	Per DL ₹	Total		
1.	Survey and Site Clearing	1	50	₹ 212.00	₹ 10,600.00	₹ 0.00	₹ 10,600.00
2.	Staking	1	5	₹ 212.00	₹ 1,060.00	₹ 0.00	₹ 1,060.00
3.	Digging of pit	1	70	₹ 212.00	₹ 14,840.00	₹ 0.00	₹ 14,840.00
4.	Refilling and Planting	1	70	₹ 212.00	₹ 14,840.00	₹ 0.00	₹ 14,840.00
5.	Watering	1	0	₹ 0.00	₹ 0.00	₹ 3,500.00	₹ 3,500.00
6.	Vacancy Filling and weeding	1	100	₹ 212.00	₹ 21,200.00		₹ 21,200.00
7.	Watch & ward during dry season specially for protection activity	1	0	₹ 0.00	₹ 0.00	₹ 18,000.00	₹ 18,000.00
8.	Procuring Triangular Bamboo plant guard @ ₹175.00 each [TFD rate]	1	0	₹ 0.00	₹ 0.00	₹ 35,000.00	₹ 35,000.00
9.	Cost of Tall seedling (Size -30 cm X 30 cm) (200 Nos./Km)- Horticulture species	1	0	₹ 0.00	₹ 0.00	₹ 20,000.00	₹ 20,000.00
10.	Seedling carrying upto plantation (20 plants per load @ 10 load @ ₹1000.00 per load)	1	0	₹ 0.00	₹ 0.00	₹ 10,000.00	₹ 10,000.00

₹ 149,040.00

₹ 14,904.00

₹ 163,944.00

Total Cost for 6 Km Plantation Length

₹ 983,664.00

[illegible]

₹ 993,664.00

₹ 29,809.92

1.023.473 92

₹ 102,347.39

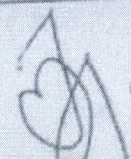
1,125,821.31

Second Year

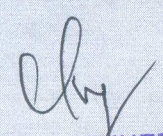
Second Year							
Sl No.	Item of Works	Length (in Km)	Wages			Materials	Total Amount, (₹)
			DLs per Km	Per DLs (₹)	Total		
1	Weeding [16DL] & watering [10DL] as per MCR -2019	1	25	₹ 212.00	₹ 5,300.00	₹ 0.00	₹ 5,300.00
2	vacancy Filling (20%)	1	5	₹ 212.00	₹ 1,060.00	₹ 0.00	₹ 1,060.00
4	Watch & ward during dry season specially for protection activity	1	0	₹ 0.00	₹ 0.00	₹ 18,000.00	₹ 18,000.00
5	Maintenance of Bamboo plant guard (LS)	1	0	₹ 0.00	₹ 0.00	₹ 20,000.00	₹ 20,000.00
Total Cost for 1 Km							₹ 44,360.00
Total Cost for 6 Km							₹ 266,160.00
Add - 1 % Contingency							₹ 7,984.80
Total (including Contingency)							₹ 274,144.80
Add - Provision for 15% anticipatory increase in wages and materials							₹ 41,121.72
Total cost for Second Year							₹ 315,266.52

Third Year

No.	Item of Works	Length (in Km)	Wages			Materials	Total Amount. (₹)
			DLs per Km	Per DLs (₹)	Total		
1	Weeding (10 DL & Watering 10 DL) as per SCOR, 2019	1	20	₹ 212.00	₹ 4,240.00	₹ 0.00	₹ 4,240.00
2	Watch & ward during dry season specially for protection activity	1	0	₹ 0.00	₹ 0.00	₹ 18,000.00	₹ 18,000.00
3	Maintenance of Bamboo plant guard (LS)	1	0	₹ 0.00	₹ 0.00	₹ 20,000.00	₹ 20,000.00
Total Cost for 1 Km							₹ 42,240.00
Total Cost for 6 Km							₹ 253,440.00
Add: 3% Contingency							₹ 7,603.20
Total (including Contingency)							₹ 261,043.20
Add: Provision for 20% anticipatory increase in wages and materials							₹ 52,208.64
Total cost for Third Year							₹ 313,251.84
Grand total: 6 KM (Plantation length) for creation, 1st, 2nd & 3rd year maintenance							₹ 1,754,340
Rupees (seventeen lakhs fifty four thousand three hundred forty) only							


 District Forest Officer,
 Unakoti District, Kumarghat.

**District Forest Officer,
Unakoti District.**


SHRI V.G. JENNER, IFS,
Chief Conservator Forests (T),
& Nodal Officer, FCA,
Forest Deptt. Govt. of Tripura.

Tour note of Sh. Sushil Debbarma, IFS, CF (TC), O/o the PCCF & HoFF (T) on 06/08/2021 in connection with the proposal for diversion of 82.6044 ha. of forest land for widening /improvement of Lalcherra- Kanchanpur Section (Package 2) of NH 44(A) to 2 laning with paved shoulders under Dhalai, Unakoti & North Tripura.

The following officials from Revenue Dept, NHIDCL (user agency) and Forest Departments were present during my site inspection.

1. Sh. Amit Debbarma, IFS, DFO, Dhalai District
2. Sh. H Vignesh, IFS, DFO, Unakuti & North Tripura District .
3. Sh.Suman Das, TFS, SDFO, Kanchanpur
4. Sh.Babul Mog, TFS, SDFO, Kumarghat
5. Sh.Abhijit Dey, TFS, SDFO, Manu
6. Sh.Santana Deb, (REP) NHIDCL
7. Sh.Sunny Sanuar, (REP) NHIDCL
8. Sh.Rajat Jain, (REP) NHIDCL
9. Sh.Biswajit Datta, FR, RO, Kanchanpur
10. Sh.Suman Bhowmik, Fr, and other officials

I have visited since starting point of the second phase project of Dhalai District to end point of North District of Kanchanpur. I do agree with the proposal of DFO, Dhalai, Unakoti and North, District as submitted by them in Part- II.

Under the above circumstance the Part-II as submitted by DFO, Dhalai, Unakoti and North Tripura may consider.

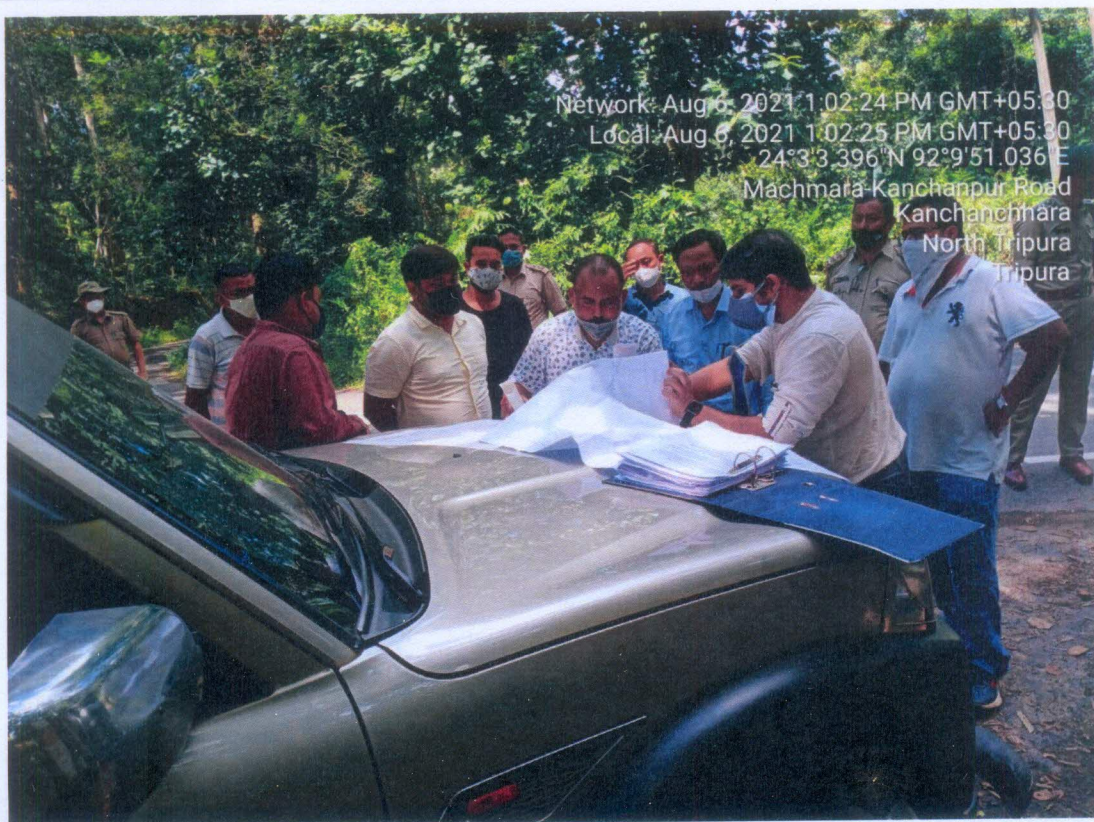
This is for kind information

Signature

 21/11/2021

Name: (Sushil Debbarma)
Conservator of Forests (TC)
(Sushil Debbarma, IFS)
Conservator of Forests,
Govt. of Tripura.

PHOTO GRAPHS







Annexure:- G

MUCK DISPOSAL REPORT & PLAN

Table of Contents

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1.4 IMPLEMENTATION OF ENGINEERING MEASURES AT MUCK DISPOSAL SITE.....	7
1.5 IMPLEMENTATION OF BIOLOGICAL MEASURES AT MUCK DISPOSAL SITE.....	7
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1.1 GENERAL

NHIDCL has evinced interest for taking up improvement to road from Lalchara (16.077 km) to Simlung (43.935 km) in the state of Tripura. The road stretch totally lies in hilly terrain. The condition of the road is bad. This will require major correction in geometries besides widening of the formation width. This will require some earthwork. The proposed project would involve a number of activities leading to production of large quantities of muck. Even though some of the muck will be utilized for back filling, yet some quantity of the excavated material will need to be relocated and dumped in such a manner that it does not impose any negative impact on the environment.

1.2 QUANTITY OF MUCK GENERATED AND ITS CONSUMATIVE USE

During construction of the various components of the projects, muck is generated both from soil or slide material and from rock excavation. Total quantity of muck / debris, generated due to the project, shall be 40,89,922 cum. Out of the total muck generated, 10,73,200 cum shall be utilized on project work leaving 30,16,722 cum to be dumped with 20% compaction at designated sites. The muck shall be properly rolled, compacted and dumped on slopes and treated to mix and match with the surrounding environment with least change in landscape. The total quantity to be disposed of would be as described below. Considerable quantities of muck can be reused for the project.

Table 1: GENERATED & USEABLE MUCK					
SI		Item	Generated Muck (in cum)	Reuseable Quantity (in cum)	Balance Quantity for disposal
1		Earth work in excavation			
	A	Soil	40,89,922	10,73,200	30,16,722
		Total	40,89,922	10,73,200	30,16,722

1.3 SELECTION OF MUCK DISPOSAL SITE

The selection of muck disposal sites was carried out considering the quantity of the muck. landscape, cost effectiveness, nearness to source of generation, absence of ground and surface water, relief and scope for afforestation works. **All the dumping locations are Govt. land i.e. Non- Forest land.** Two (2)

muck dumping sites have been identified matching the criteria. The details of dumping sites along with their total capacity and amount of muck to be disposed are enumerated in **Table 2 & 3**.

Table-2			
SI No	1		
Identification No of Muck Dumping Site	MDS/U-01		
Name of the Dumping Location/Site	1489/Ujan Machmara		
Area of Field=	60133	sqm	
Average Filling Height=	12.0	m	
Filling Volume=	865915.20	cum	
SI No	2		
Identification No of Muck Dumping Site	MDS/U-02		
Name of the Dumping Location/Site	1489/Ujan Machmara		
Area of Field=	150834.0	sqm	
Average Filling Height=	12.0	m	
Filling Volume=	2172009.60	cum	

Table-3							
SI No	District	Identification No of Muck Dumping Site	Name of the Dumping Location/Site	Capacity of the Dumping Site considering 20% compaction (cum)	GPS Co-ordinates (With Reference to Geo Referenced Cadastal Maps)		
					Point No.	Latitude	Longitude
1	NORTH TRIPUR A	MDS/U-01	1489/UJAN MACHMARA	865915	A	24.05099130	92.16295260
					B	24.04964020	92.16292770
					C	24.04890420	92.16705150
					D	24.05020730	92.16690980
2		MDS/U-02	1489/UJAN MACHMARA	2172009.6	E	24.05062720	92.16824700
					F	24.04921080	92.16836160
					G	24.04895150	92.17713430
					H	24.05022800	92.17745830
			Total=	3037925			

1.4 IMPLEMENTATION OF ENGINEERING MEASURES AT MUCK DISPOSAL SITE

In all the muck sites, the muck brought in dumpers shall be dumped and manually spread behind the crates and roller compacted in such a manner that rock mass is properly stacked behind the crates with minimum of voids.

1.5 IMPLEMENTATION OF BIOLOGICAL MEASURES AT MUCK DISPOSAL SITE

Biological measures, however, require special efforts as the disposed muck will be devoid of nutrients and soil contents to support vegetation. The selection of soil for spreading over such an area would require nutrient profiling of soil for different base elements. Suitable mixture of nutrients would be done before placing the soil on the top surface of muck disposal area to have administered growth of forest canopy.

1.6 MONITORING & COMPLIANCES

Muck shall be dumped from bottom in layers 50-70 cm depending on size of boulders.

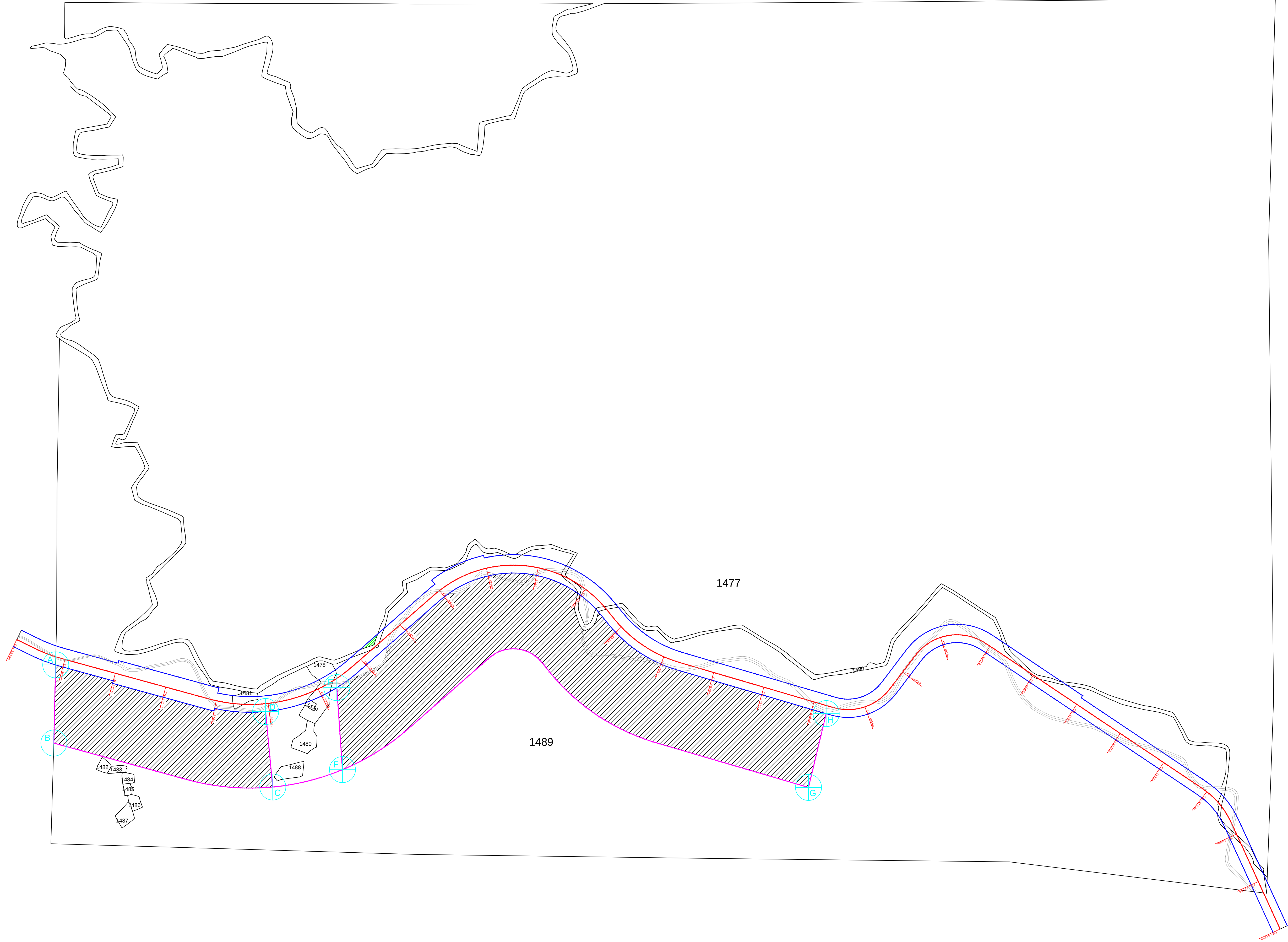
- i. Each layer shall be rolled compacted.
- ii. A layer of soil shall be spread on top of it to make it suitable for plantation.
- iii. Water testing facilities shall be set up for checking quality parameter of water.
- iv. Soil samples shall be regularly collected and tested for checking the level of contamination.
- v. Prescribed norms and approvals will be sought from MSPCB wherever necessary.
- vi. All norms of Forest department, MSPCB and MoEF and their acts related to muck disposal shall be complied with.
- vii. Plantation cannot be done as the land for Much disposal is Private land.

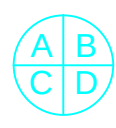
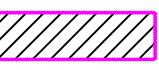
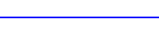
1.7 RECOMMENDATIONS

Following recommendations for smooth implementation of the Muck Disposal Plan are delineated below:

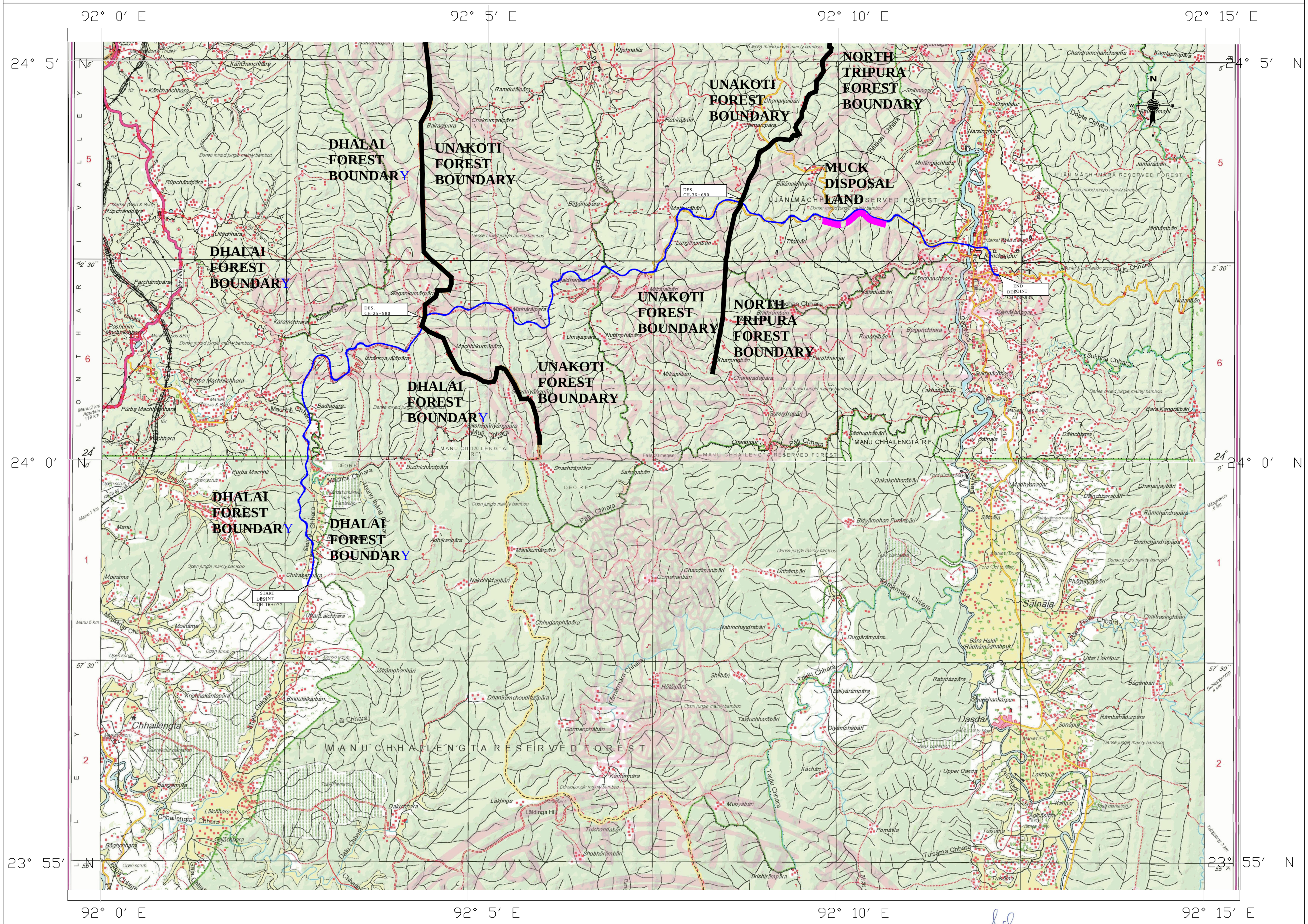
- The Dump sites may be marked at site with display boards.
- No water body will be blocked in dumping site.
- No tress shall be cut in the dumping areas unless essential for movement of earth dumping and rolling equipment.
- Project authorities should ensure frequent meetings with the project team to enable smooth implementation of the Plan.

MOUJA :- UJAN MACHMARA RF
SHEET NO. :- 32
TEHSIL :- UJAN MACHMARA
REV. CIRCLE :- KANCHANPUR
SUB-DIVISION :- KANCHANPUR
DISTRICT :- NORTH TRIPURA
SCALE:- 16" = 1MILE



Legend:-
Geo Ref. Point - 
MUCK DISPOSAL LAND - 
Proposed ROW - 
Proposed Center line - 
Existing Center line - 

MAP SHOWING MUCK DISPOSAL ON SURVEY OF INDIA TOPOSHEET
WITH FOREST LAND BOUNDARY & PROPOSED ALIGNMENT



LEGENDS:

PROPOSED ROAD

FOREST BOUNDARY

MUCK DISPOSAL


(Lt. Col. Gurmit Singh Retd.)
General Manager (Projects)
NHIDCL, PMU-Dharmanagar

Lt Col. Gurmit Singh
General Manager (Projects)
NHIDCL, PMU-DHARMANAGAR
North Tripura - Tripura-799250

TOPOSHEET SHEET NO. 83 D/4, 84 A/1

HANDING OVER/TAKING OVER MEMORENDUM

Subject: Handing over/Taking over of Manu- Shivbari- Kanchanpur ODR (Section from Ch. 06.100 to Ch. 21.100)

1. NHIDCL vide letter No. NHIDCL/PMU Dmr/Wks/5(4)/2021-22/285 dated 23.07.2021 has informed that the alignment of Manu-Simlung Package-II of NH-44A from Lalchara-Kanchanpur via Shivbari (Des. km 16.077 to Des. km 43.935) (total length 27.858km) which is passing through three districts Dhalai, Unakoti and North Tripura has been approved for construction. The instant section is overlapping with PWD's Other District Road (ODR) & Major District Road (MDR). The details of overlapping section falling with PWD LTV Division along with GPS coordinates are tabulated below:

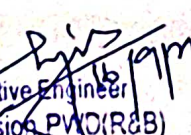
Sl. No.	Category of Road/ Road Name	Over lapping PWD Chainage	GPS Coordinates
1.	Other District Road (ODR) Manu-Shivbari- Kanchanpur	Ch. 06.100 to Ch. 21.100	24°2.352'N, 92°6.850'E 24°2.697'N, 92°11.876'E

2. Accordingly, NHIDCL vide aforesaid letter has requested to handover the above stretch to NHIDCL so that the development of, Lalchara-Shivbari-Kanchanpur Section of NH-44A to two laning with paved shoulders Package (II) can be taken up. Subsequently, PWD vide letter dated 09.08.2021 has instructed Executive Engineer, PWD (R&B), LTV Division to hand over the aforesaid stretch.

3. In this context, a joint site visit was conducted on 30.08.2021 wherein officials from NHIDCL, PMU Dharmanagar & official from PWD (R&B), LTV, division was present and a list of joint inventories prepared as per visual survey is enclosed with this memorandum.

4. This Handover/Takeover Memorandum of Joint Survey is signed between Public Works Department, (Road & Bridges), Kanchanpur Division, North Tripura District, Govt. of Tripura, and National Highways & Infrastructure Development Corporation Limited (NHIDCL), a body under aegis of Ministry of Road Transport & Highways, Govt of India on 14.09.2021.

5. Memorandum containing inventory of site jointly signed by the PWD & NHIDCL is enclosed herewith at Annexure-I containing crust composition, details of ROW, condition of road, At Annexure-II the bridge/culvert/retaining wall inventory are enclosed. It is to inform that the aforementioned stretch is not under any defect liability Period (DLP). There is no utility permission provided to any department on aforementioned stretch. There shall be no liability of NHIDCL towards existing contractor on the aforementioned stretch.

For, Public Works Department, (Road & Bridges), Kanchanpur Division, North Tripura  Executive Engineer LTV. Division PWD(R&B) Manu, Dhalai Tripura Signature of the Representative (Signature & Seal)	For, National Highways & Infrastructure Development Corporation Limited. (PMU Dharmanagar)  (Lt Col Gurmit Singh, Retd.) General Manager (Projects) NHIDCL, PMU-Dharmanagar Signature of the Representative (Signature & Seal)
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HANDING OVER AND TAKING OVER STATEMENT FOR STRETCH UNDER PWD LTV DIVISION

HANDING OVER AND TRAINING OVER STATEMENT FOR STRETCH UNDER PWD LTV DIVISION							
Name of Road & Link No: Kanchanapur-Machmarra & Mitrajaypara	Manu-Shivbari - Kanchanpur ODR (stretch from Ch. 6.100 to 21.100)						
Block:	Manu RD Block						
District: North Tripura	Dhalai & Unakoti						
Date of handing over:	16.09.2021						
Stretch	Start Chainage (km)	End Chainage (km)	Carriage Way Width (in m)	Length (km)	Existing ROW (m)	Crust Composition (mm)	Remarks/ Condition of Road
Manu-Shivbari - Kanchanapur	6.100	21.100	5.0	15.00	Nil	PMC-25; BM-50 WBM-150; GSB-75	Fair except at 2-3 locations where culvert was proposed the carpeting is not done

Note:

1. The aforementioned stretch is not under any defect liability Period (DLP).
2. There is no utility permission provided to any department on aforementioned stretch.
3. The bridge/culvert/retaining wall inventory are enclosed at Annexure-II.
4. There is no liability of NHIDCL towards existing contractor on the aforementioned stretch.

Handed Over

 Executive Engineer
 LTV. Division, PWD(R&B)
 Manu, Dhalai -Tripura.

Taken Over

 (Lt Col Gurmit Singh, Retd.)
 General Manager (Projects)
 NHIDCL, PMU-Dharmapanganagar
 North Tripura, 799250

Date of Handing over- 16.09.2021

HANDING OVER AND TAKING OVER STATEMENT FOR STRETCH UNDER PWD LTV DIVISION

Cross Drainage Structure														
Spun/Hume pipe culvert				RCC Box Cell			RCC slab Culvert/Bridge			Road side pukka drain(in m)				
Stretch	Chainage (km)	Dia (m)	Width(Mtr)	Chainage (km)	Span (m)	Width in (m)	Type	Chainage (km)	Span (in m)	Width(in m)	From Chainage (km)	To Chainage (km)	Length (m)	Remarks
Manu-Shivbari - Kanchanpur				6.959	1x3	7.50	RCC Bridge	7.450	1x8	6.50	8.700	9.100	400	Chocked covered with Vegetation
				7.102	2x2	7.50					9.700	9.920	220	
				7.115	2x2	7.50	RCC Bridge	8.100	1x10	6.50				
							RCC Bridge	15.100	1x10	6.50				

Toe / Retaining Wall					
Stretch	Type	From Chainage (Km)	To Chainage (Km)	length (m)	Remarks
Manu-Shivbari - Kanchanpur	R.C.C/CC	6.300	6.320	20	L.H.S

Bailey Bridge			
Type	Chainage (km)	Span (in m)	Width(in m)
Bailey Bridges	13.300	1x16.7	3.50
	16.500	1x25	3.50
	16.565	1x16.7	3.50
	16.835	1x13.7	3.50
	17.300	1x16.7	3.50
	17.625	1x16.7	3.50
	17.800	1x16.7	3.50
	20.95	1x25.7	3.50
	21.100	1x16.7	3.50

Handed Over
 Executives Engineer
 LTV. Division, PWD(R&B)
 Manu, Dhalai- Tripura.

Taken Over
 (Lt Col Gurmit Singh, Retd.)
 General Manager (Projects)
 NHIDCL, PMU-Dharmanagar
 North Tripura, 799250

HANDING OVER/TAKING OVER MEMORENDUM

Subject: Handing over/Taking over of Kanchanpur-Mitrajypara ODR (section from Ch. 0.00 to Ch. 08.40)

1. NHIDCL vide letter No. NHIDCL/PMU Dmr/Wks/5(4)/2021-22/285 dated 23.07.2021 has informed that the alignment of Manu-Simlung Package-II of NH-44A from Lalchara-Kanchanpur via Shivbari (Des. km 16.077 to Des. km 43.935) (total length 27.858km) which is passing through three districts Dhalai, Unakoti and North Tripura has been approved for construction. The instant section is overlapping with PWD's Other District Road (ODR) & Major District Road (MDR). The details of overlapping section falling with PWD Kanchanpur Division along with GPS coordinates are tabulated below:

Sl. No.	Category of Road/ Road Name	Over lapping PWD Chainage	GPS Coordinates
1.	Other District Road (ODR) Kanchanpur -Mitrajoy Para	Ch. 00.00 to Ch. 08.40	24°2.352'N, 92°6.850'E 24°2.697'N, 92°11.876'E

2. Accordingly, NHIDCL vide aforesaid letter has requested to handover the above stretch to NHIDCL so that the development of, Lalchara-Shivbari-Kanchanpur Section of NH-44A to two laning with paved shoulders Package (II) can be taken up. Subsequently, PWD vide letter dated 09.08.2021 has instructed Executive Engineer, PWD (R&B), Kanchanpur Division to hand over the aforesaid stretch.

3. In this context, a joint site visit was conducted on 26.08.2021 wherein officials from NHIDCL, PMU Dharmanagar & official from PWD (R&B), Kanchanpur was present and a list of joint inventories prepared as per visual survey is enclosed with this memorandum.

4. This Handover/Takeover Memorandum of Joint Survey is signed between Public Works Department, (Road & Bridges), Kanchanpur Division, North Tripura District, Govt. of Tripura, and National Highways & Infrastructure Development Corporation Limited (NHIDCL), a body under aegis of Ministry of Road Transport & Highways, Govt of India on 22.09.2021

5. Memorandum containing inventory of site jointly signed by the PWD & NHIDCL is enclosed herewith at Annexure-I containing crust composition, details of ROW, condition of road, At Annexure-II the bridge/culvert/retaining wall inventory are enclosed. It is to inform that the aforementioned stretch is not under any defect liability Period (DLP). There is no utility permission provided to any department on aforementioned stretch. There shall be no liability of NHIDCL towards existing contractor on the aforementioned stretch.

For, Public Works Department, (Road & Bridges), Kanchanpur Division, North Tripura  (Mr. Raju Khisa) Executive Engineer, PWD (R&B) Kanchanpur Division Signature of the Representative (Signature & Seal)	For, National Highways & Infrastructure Development Corporation Limited. (PMU Dharmanagar)  Signature of the Representative (Signature & Seal) Lt Col Gurmit Singh, Retd.) General Manager (Projects) NHIDCL, PMU-Dharmanagar North Tripura, 799250
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HANDING OVER AND TAKING OVER STATEMENT FOR STRETCH UNDER PWD KANCHANAPUR DIVISION

Name of Road & Link No:		Kanchanapur - Mitrajaypara ODR/PMGSY (Ch. 0.00 to 8.400)					
Block:		Laliuri RD Block					
District:		North Tripura & Unakoti					
Date of handing over:		22.09.2021					
Stretch	Start Chainage (Km)	End Chainage (Km)	Carriage Way Width (in m)	Length (km)	Existing ROW (m)	Crust Composition (mm)	Remarks/ Condition of Road
Kanchanpur-Mitrajaypara	0	4.75	3.75	4.75	Nil	Carpeting layer-20 WBM-75 GSB-150	Poor
	4.75	8.4	5.00	3.65	Nil	Carpeting layer-20 WBM-75 GSB-150	Fair

Note:

1. The aforementioned stretch is not under any defect liability Period (DLP).
2. There is no utility permission provided to any department on aforementioned stretch.
3. The bridge/culvert/retaining wall inventory are enclosed at Annexure-II.
4. There is no liability of NHIDCL towards existing contractor on the aforementioned stretch.

Er. SARAT CH. BARDHAN
JE, TES Gr-V(A)
PWD (R & B) Jampur Hill
Sub-Division Vanghmun

Handed Over

(Er. A. B. Barmah)
Assistant Engineer
Jampur Hill Sub-Divn. PWD (R&B)
Vanghmun, Tripura (N).

(Er. A. B. Barmah)
Executive Engineer, PWD (R&B)
Kanchanpur Division

(Lt Col Gurmit Singh, Retd.)
General Manager (Projects)
NHIDCL, PMU-Dharmnagar
North Tripura, 799250

HANDING OVER AND TAKING OVER STATEMENT FOR STRETCH UNDER PWD KANCHANAPUR DIVISION

Cross Drainage Structure

Cross Drainage Structure														
Spun/Hume pipe culvert				RCC Box Culvert				Steel Bridge				Road side pukka drain(In m)		
Stretch	Chainage (km)	Dia (m)	Width(Mtr)	Chainage (km)	Span (In M)	Width In (M)	Type	Chainage (km)	Span (In m)	Width(In m)	From Chainage (Km)	To Chainage (Km)	Length (m)	Remarks
Kanchanpur-Mitrajoypara	1.09	0.9	7.5								1.95	2.25	300	R.H.S
											2.2	2.275	75	R.H.S
	1.29	0.9	7.5								2.275	2.31	35	L.H.S
	3	0.9	7.5								2.31	3.975	1665	R.H.S
	6.2	0.9	7.5								3.6	4.625	1025	R.H.S
											4.125	4.625	500	L.H.S

Toe / Retaining Wall					
Stretch	Type	From Chainage (Km)	To Chainage (Km)	Length (m)	Remarks
Kanchanpur-Mitrajoypara	Brick Wall	0.95	0.976	26	L.H.S
	Brick Wall	0.96	0.984	24	R.H.S
	Brick Wall	1.04	1.055	15	R.H.S
	Brick Wall	1.09	1.118	28	L.H.S

ER SARAT CH. BAPPHUAN
 JE, TES GR-V(A)
 P.W.D. (R & B) Jampai Hill
 Sub-Division Yangmabin.
 Handed Over

~~(Left: Gabbana)
Assistant Engineer
Jampihill Sub-Divl. P.O.
Vandimam, Tirupura (N).~~

[Signature]
(B. Raghavakrishna)
Executive Engineer, PWD (R&B)
Kannanpur Division

Taken Over
(Lt Col Gurmit Singh, Retd.)
General Manager (Projects)
NHIDCL, PMU-Dharmanagar
North Tripura, 799250