



No. RW/TRI/Utility/23/2018-19

Government of India

Ministry of Road Transport & Highways

Regional Office (Kerala & Lakshadweep Region)

Public Office Building, Opposite to Museum,

Thiruvananthapuram - 695033.

Phone No. 0471-2320879, 2326306; email : rokeralamorth@gmail.com

Dated: 07.02.2019

Invitation of public comments

Sub:- Proposal for permission to laying Optical fibre Cable by Indian Navy-Naval Communication Network(NCN) from Km.344/275 to 348/383 from Palarivattom Junction to Vytilla Junction on NH-66 (old NH-47) under NHAI in the State of Kerala- reg.

The proposal is seeking permission to laying OFC along the road from Km.344/275 to 348/383 on NH-66 (Old NH 47C)(Palarivattom Jn to Vytilla Jn) at Edapally-Vytilla-Aroor section of the Ernakulam district in the state of Kerala by Indian Navy submitted to this office vide PD,NHAI, Ernakulam's letter dated 11.01.2019 in accordance with Ministry's latest guidelines dated 22.11.2016.

2. The proposal for laying of OFC along the NH from Km.344/275 to 348/383 on NH-66 (Old NH 47) as under:

Stretch in Km.	Length (Km.)	ROW (m)	Dist. Of Prop. OFC line from centre of NH (m).
LHS			
344/275 to 348/383	4.108 km	45.00	21.00
NH Crossing			
At Km.348/383	0.045 km	45.00	NA

3. The Staff Officer (Communications), HQ, Southern Naval Command, Kochi has proposed to lay OFC from Km.344/275 to 348/383 on NH-66 (Old NH47) by HDD method.

4. The Staff Officer (Communications), HQ, Southern Naval Command, Kochi has furnished an undertaking that, they will shift the OFC line if required by NHAI or any other Highways authorities within the time frame prescribed by NHAI/Highways Authority. Further, it is also mentioned by the Staff Officer (Communications), HQ, Southern Naval Command, Kochi that the proposed OFC work will not affect the design, stability, traffic safety and future improvement of proposed stretch. In addition, all the undertakings as prescribed in the checklist has been furnished by the Staff Officer (Communications), HQ, Southern Naval Command, Kochi

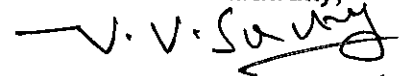
5. As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the application will be made available for public comments and the comments will be invited within 30 days from the date of uploading in the Ministry's web site.

6. In view of above, comments of the public on the above proposal is invited to the below mentioned address:

The Regional Officer
Ministry of Road Transport & Highways,
Public Office Building,
Thiruvananthapuram - 695033.

Encl: As above.

Yours faithfully,



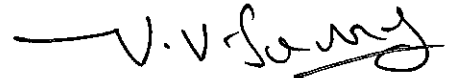
(V.V. Sastry)

Regional Officer cum Highway
Administrator

7/2/19

Copy to:

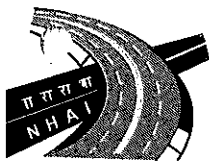
1. Senior Technical Director, NIC for uploading in the Ministry's website
2. The Project Director, National Highways Authority of India, VII/511-B, Neytheli-Mavelipuram Road, Mavelipuram, Kakkanad, Ernakulam -682030 for information please.



(V.V. Sastry)

Regional Officer cum Highway
Administrator

7/2/19



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना निदेशक कार्यालय

Office of the Project Director

तरकनस, घर नं. IV/550 - पहली मंजिल, राष्ट्रीय राजमार्ग नं. 544 (पुराना नं. 47)

"Tharakans", House No. IV/550 - First Floor, National Highway No. 544 (Old No. 47)

राजगिरी सड़क कलामाशेरी, - 683 104, एरणाकुलम जिल्ला (केरल)

Rajagiri Road, Kalamassery - 683 104, Ernakulam District (Kerala)

टेलिफोन / फैक्स : 0484 - 2559416

Telephone / Fax: 0484 - 2559417

ई - मेल : cochin@nhai.org

E-mail : cochinnhai@gmail.com

NHAI/PIU/COCHIN/OMT/UGC/113/2018/44/1

11th January, 2019

To

The Regional Officer,
Regional Office (Kerala & Lakshadweep Region),
Public Office Building,
Opposite to Museum,
Thiruvananthapuram - 695033
e-mail - rokeralamorth@gmail.com

MORTH	
RO TVM	
RO	
EE	
Dy No	Dated - 31/1/19

Sub: Operation and Maintenance of Edappally-Vyttila-Aroor Section of NH-66 from Ch Km 342.000 to Ch Km 358.750 on OMT basis in the State of Kerala (Package OMT 23)- Permission for laying Optical Fibre Cable For Indian Navy - Naval Communication Network (NCN) Project at Kochi, Kerala - Along NH-66 (OLD NH-47) - from Ch.km 344/275 to Ch.km 348/383 from Palarivattom Jn. To Vytilla Junction for a total length of 4.10 Km - Submission of proposal - approval - request - reg

Ref: 1. Indian Navy Letter No. Nil dated 07.02.2017 & 27.02.2017
2. MoRTH Circular No. RW/NH-33044/29/2015/S&R(R) dtd. 22.11.2016
3. PD PIU Cochin Ltr. No. NHAI/PIU/COCHIN/UGC/113/2018/390 25.04.2018
4. TCI Ltr. No. TCIL/SZ/NP/KOCHI/DN/38 Dt. 02.05.2018
5. PD PIU Cochin Ltr. No. NHAI/PIU/COCHIN/UGC/113/2018/696 Dt. 31.07.2018
6. TCI Ltr. No. TCIL/NHAI/KOCHI/2017-18/02 Dt. 03.10.2018

Sir,

Indian Navy - Naval Communication Network (NCN) vide reference (1) above has submitted the proposal to this office for laying Optical Fibre Cable For Indian Navy - Naval Communication Network (NCN) Project at Kochi, Kerala - Along NH-66 (OLD NH-47) - from Ch.km 344/275 to Ch.km 348/383 from Palarivattom Jn. To Vytilla Junction for a total length of 4.10 Km along with drawings to this office as per the Ministry Guidelines. Accordingly, the proposal has been examined by this office. HDD method is proposed for laying above UG line in the above proposed location.

The proposal was forwarded to the Independent Engineer (of the Edappally-Vytilla-Aroor stretch) M/s.Bloom Companies LLC for verification and calculation of restoration charges for the above cable laying. The Independent Engineer has examined the proposal and submitted to this office their recommendation along with restoration charges to be made by Indian Navy.

Also, as per the MoRTH Circular cited under reference (2), a license fee has to be paid by Indian Navy initially for a period of 5 years. This office vide reference (5) above has requested the Indian Navy to submit the License fee for an amount of Rs.10,27,877/- and performance bank guarantee for an amount of Rs. 5,10,800/- (to be submitted after obtaining sanction from the Competent Authority RO-MoRTH).

निगमित कार्यालय : जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110075
Corporate Office : G-5 & 6, Sector -10, Dwaraka, New Delhi - 110075

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6/2/19
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Handwritten signature:

The agency of Indian Navy vide reference (6) above has submitted the Licensee fee and restoration charge to this office. The above agency has applied the UG proposal in online portal of MoRTH and submitted the receipt of the same to this office.

The application in prescribed format with all required drawings, undertakings etc has submitted by the party. Therefore, after obtaining the copy of the application submitted online (copy enclosed), this office is hereby forwarding the application with all the required documents to RO MoRTH since RO MoRTH is the Competent Authority for issuing the approval as per the circular cited under reference (2). It is requested that approval may kindly be accorded and necessary orders issued so that further necessary action may be taken in this regard.

Encl: As above *proposal (1 set)*

Yours faithfully

[Signature]
11/1/2019

(P. K. Suresh)

Project Director (A/C)

Copy for kind information to : GM(T) & RO-Kerala

RECEIVED	
Date	01-03-17
Ref. No.	188
Courier	
Post	
E-mail	
Hand	✓

To,
The Project Director,
National Highway Authority of India,
Tharakans, 1st Floor, near ICICI Bank,
Kalamassery, Ernakulam, Pin – 682 104.

Sub: Permission for laying Optical Fiber Cable along NH-66, (OLD: NH-47) from KOCHI, Palarivattom Jn. To Vytilla Jn in the following sections A) KM 344/275 to KM 348/383 for a total length of 4.1 Kms in the state of Kerala.

Ref: 1. BSNL letter no. BSNL/DESAN/ENK/G-20/Vol. 1/14 dated 23/11/2016.
2. MORTH letter No – RW/NH-33044/29/2015 – S&R (R) Dated. 22nd November 2016.

Dear Sir,

The Govt. of India entrusted the works of laying nationwide Fibre Optic Cable network for the use of Indian Navy through BSNL. The Project is designated as **Naval Communication Network Optical Fibre Cable (NCN-OFC)** having its office at **STAFF OFFICER (COMMUNICATIONS) HQ, SOUTHERN NAVAL COMMAND, KOCHI, KERALA -682 004**. BSNL has awarded the work to **M/S Telecommunication Consultants India Ltd (TCIL), 'TCIL BHAWAN', Greater Kailash -1, New Delhi 111048** having their local office at **'GRACE VILLA', MVFA-61, ADARSH LANE, Thrikkakara P.O, Ernakulum – 682 021** for the execution of the NCN Network in the States of Kerala. This OFC Network will be owned and operated by **INDIAN NAVY**.

We are planning to lay optical fiber cable through duct adopting various methodologies like HDD, Clamping and other suitable method as required on the ground in the NHA area to construct a Fiber optic access link.

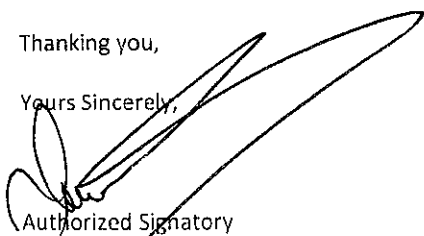
The work will be carried out as per laid down standard Condition & Guidelines of NHA for laying the OFC Cable.

We are enclosing herewith the required documents of the permissions to lay the Optical Fiber Cable (OFC).

You are requested to kindly grant us the permission at the earliest as we intend to take up the job immediately.

Thanking you,

Yours Sincerely,



Authorized Signatory

Enclosures: As per attached.

(पी मनोहर)

(P Manohar)

कमान्डर

Commander

स्टाफ अधिकारी (संचार)

Staff Officer (Communication)

कृते फ्लैग अफसर कमान्डिंग-इन-चीफ
for Flag Officer Commanding-in-Chief



To
Project Director,
Project Implementation Unit,
National Highways Authority of India
"Tharakans", 1st Floor, Near ICICI Bank,
Kalamasseri, Ernakulam Dist.
Kerala. Pin-682 104

Sub: Request for Milestone reference between Vyttila Jn to Palarivattom Jn. along NH47 Bypass
Reg.

Ref: ROW Application for Naval Communication Network Implementation for Indian Navy.

Sir,

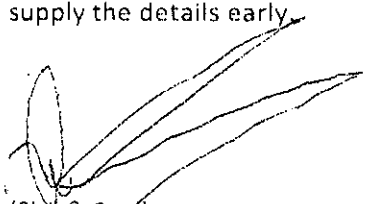
Execution of 2900 Km of Fibre Optic Cable for NCN (Navy) is to be done across the country for the strategic communication network of Indian Navy, Ministry of Defence. The project is being executed by Bharat Sanchar Nigam Limited (BSNL) for Indian Navy, Ministry of Defence.

M/s Telecommunications Consultants India Limited (TCIL) is implementing this project vide Purchase order No. PO No. CT/PO/01/2015-16 issued to TCIL dated 22nd July 2015 issued by BSNL, Corporate office, MM Section, Bharat Sanchar Bhawan, Janpath, New Delhi.

In this connection, there is a proposal for laying Optical Fiber Cable between Vyttila Jn. to Palarivattom Jn. along NH47 bypass.

For preparing the documents based on the milestone and chaineage, we request you to kindly provide us the said details for the above section, so that we can prepare the documents with accuracy.

This project is of strategic importance to the Indian Defence force. Hence it is requested to supply the details early.


(Sign & Seal)
STAFF OFFICER (COMMUNICATIONS)
(P. Mahanar)
HQ, SOUTH NAVAL COMMAND, KOCHI.
कमान्डर
Commander
स्टाफ अधिकारी (संचार)
Station: Staff Officer (Communication)
Dated : कृते फ्लैग अफसर कमान्डिंग-इन-चीफ
for Flag Officer Commanding-in-Chief



मंडल अभियंता का कार्यालय
सर्वे व एक्सेस नेटवर्क, सी टी एस डी
कांप्लेक्स गांधी नगर कोची - 682020



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

Office of the Divisional Engineer
Survey & Access Network, CTSD Complex,
Gandhi Nagar, Ernakulam, Cochin - 682020

DE - 2207988; SDE HQ - 2207987; 2207980
JTO HQ - 2202199; Office - 2207985 STD : 0484
sibyrajks@bsnl.co.in http://www.stp.bsnl.co.in
jbabu@bsnl.co.in http://www.bsnl.co.in

No: BSNL/DESAN/ENK/G-20/Vol. I/14 dated at Ernakulam, the 23/11/2016

TO WHOM SO EVER IT MAY CONCERN

Project **Naval Communication Network (NCN)** involves laying of 2900 KMs of OFC for Indian Navy out of which 4.1 KMs from Palarivattom Jn; Kochi to Vittlla Jn, Kochi will be executed in Kerala State for the strategic communication network for Indian Navy. The project is being executed by M/S Telecommunication Consultants India Limited (TCIL) for the Indian Navy/BSNL.

This is to certify that **M/S Telecommunication consultants India Limited (TCIL)**, MVFA-61, Adarsh Lane Thrikkakara P.O , Ernakulum Kochi, Kerala - 682021 is implementing this project vide Purchase Orders No: CT/PO/01/2015-16 Dated: 22/07/2015 issued by BSNL , Corporate office , MM Section , Bharath Sanchar Bhawan , Jan Path , New Delhi.

It is further certified that the RoW charges as per existing policy will be paid by M/S Telecommunication Consultants India Limited (TCIL).

You are requested to issue the necessary Right of Way (RoW) to **Naval communication Network (NCN) Cell (Indian Navy)** for laying OFC in state of Kerala for Project NCN.

This project is of strategic importance to the Indian Navy. Hence it is requested that RoW Clearance may please be given at the earliest.

Station: Ernakulam
Date: 23/11/2016

मंडल अभियंता/Divisional Engineer

सर्वे व एक्सेस नेटवर्क / Survey & Access Network

मंडल इंजीनियर / Divisional Engineer
सर्वे व एक्सेस नेटवर्क, सी टी एस डी
Survey & Access Network, BSNL
सी टी एस डी कॉम्प्लेक्स / CTSD Complex
गांधी नगर / Gandhi Nagar
कोच्चि / Kochi - 682 020

CHECK- LIST

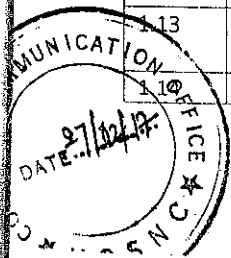
Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

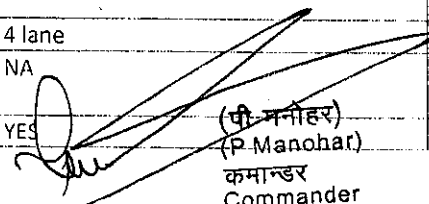
Relevant circulars

- 1) Ministry's Circular No. RW/NH-33044/17/2000 – S&R dated 29.09.2000
- 2) NHAI's circular no. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guideline and draft license agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
- 3) Ministry's circular No: RW/NH-33044/29/2015/ S&R (R) Dated: 22.11.2016.

Check list for getting approval for laying of optical fiber cables on NH land

No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	P.MANOHAR COMMANDER STAFF OFFICER (COMMUNICATION) HQ, SOUTHERN NAVAL COMMAND, KOCHI, KERALA – 682 004	
1.2	National highway Number	NH – 66	Old NH-47
1.3	State	Kerala	
1.4	Location	PALARIVATTOM Jn to VYTILLA Jn. (Bypass Road)	Old NH- 47
1.5	(Chainage in km)	KM 344/275 to KM 348/383	
1.6	Length in Meters	4.1 kms (LHS)	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	22.5 Mtrs (as per drawing attached)	
	(b) Right side from center line towards increasing chainage/km direction	22.5 Mtrs (as per drawing attached)	
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chainage/km direction	Yes (KM 344/275 to 348/383)	
	(b) Right side from center line towards increasing chainage/km drainable	NA	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route	BSNL,VSNL, Vodafone, RJIL etc.	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	YES	




 (P. Manohar)
 कमान्डर
 Commander
 स्टाफ अधिकारी (संचार)
 Staff Officer (Communication)
 कृते फ्लैग अफसर कमान्डिंग-इन-चीफ
 Flag Officer Commanding-in-Chief

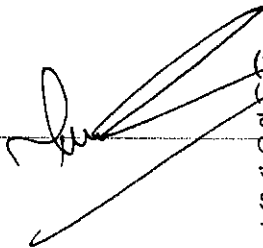
	If yes then which side		
	(a) Left side from center line	11.75 mtrs (avg)	
1.15	Proposed Service Road	NA	
	(a) Left side from center Line	-	
	(b) Right side from center line	-	
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriage way.	After the service road	
1.17	The permission for laying OFC shall be considered for approval /rejection.	Approval	
	(i) Where the ROW is more than 45 m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening.	Yes	
	(ii) Where land is yet to be acquired for 4 laning and the position of new carriage way has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2 m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 th laning.	NA	
	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30 m or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 m to 2 m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused.		
1.18	No. of applicants on the same stretch	One	
1.19	Whether the case of multiple licenses	NA	
1.20	If so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame.		
1.21	If crossings of the road involved If Yes it shall only be through trench-less technology	Yes, HDD Method	
2	Document/Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.65 m deep x 0.5 m wide) Should not be greater than 1.2 m in width	NA	

(प्र. मनोहर)
(P. Manohar)

कमान्डर
Commander

स्टाफ अधिकारी (संचार)
Staff Officer (Communication)
कृते फ्लैग अफसर कमान्डिंग-इन-चीफ
Officer Commanding-in-Chi

	in multiple ducts.		
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	
2.3	Strip plan/Route Plan showing the OFC, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important milestone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying of OFC	HDD Method	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes. (Excavate a 1 m x 1m Pit and drill a 150 mm)	
2.4.3	Laying OFC Through CD Works And Method of Laying (Whether to be hung outside parapet)	NA	
3	Draft license Agreement signed by two witnesses	Yes	
4.1	Performance Bank Guarantee: As per Ministry circular No: RW/NH-33044/44/2013-S&R (R) date 02.01.2014 to be obtained @ Rs. 100 – per Meter length.	Yes	
4.2	Confirmation of BG has been obtained as per NHA guidelines	Yes	
5	Affidavit/Undertaking from the Applicant for		
5.1	No to Damage to other utility, if damaged then to pay the losses either to NHA or to the concerned agency.	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHA's guideline	Yes	
5.4	Shifting of OFC as and when required by NHA	Yes	
5.5	Shifting due to 6 laning/widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of OFC to be managed by the applicant	Yes	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes	
5.9	Certificate for 6-laning from the applicant in following format	Yes	
	" We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHA for future six-laning or any other development"		
5.10	Prior approval of the NHA shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the underground optical fiber cable (OFC) located in the national highway right of ways.	Yes	


 (प्र. मनोहर)
 (P Manohar)
 कमान्डर
 Commander
 स्टाफ अधिकारी (संचार)
 Staff Officer (Communication)
 कृते फ्लैग अफसर कमान्डिंग-इन-
 for Flag Officer Commanding-in-

	be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay cable/duct has also be granted as a right of way to the concessionaire under the concession agreement for up gradation of (Kochi section from Km 344/275 to 348/383 of NH-66 (Old NH47) on Build, Operate and Transfer Basis) and therefore, the licensee shall honour the same."		
11	Who will supervise the work of laying of OFC	P.MANOHAR COMMANDER STAFF OFFICER (COMMUNICATION) HQ, SOUTHERN NAVAL COMMAND, KOCHI, KERALA – 682 004	
11.1	The required license fee for using NH-land as per ministry circular no : RW/NH-33044/29/2015/S&R(R) Dated: 22 nd November 2016 is enclosed.	Yes	
12	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken	NHA will ensure the defects in road portion, If same is not rectified by applicant, the available BG may forfeited.	
13	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	P.MANOHAR COMMANDER STAFF OFFICER (COMMUNICATION) HQ, SOUTHERN NAVAL COMMAND KOCHI, KERALA – 682 004	
14	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003	Yes	
15	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH/33044/17/2000 S&R dated 23.7.2003) as referred in Para 13 above is enclosed or not.	No	



(पी मनोहर)
(P Manohar)
कमान्डर
Commander
स्टाफ अधिकारी (संचार)
Staff Officer (Communication)
कृते फ्लैग अफसर कमान्डिंग-इन-चीफ
for Flag Officer Commanding-in-Chief