

To

The Divisional Forest Officer,
Forest Division Mandi.

Subject:- Diversion of 27.5709 ha of forest land for setting up of National Disaster Response Force (NDRF) Battalion in favour of Sub-Divisional Officer (Civil) at Balh, Tehsil Balh, Distt. Mandi, Himachal Pradesh, within the jurisdiction of Mandi Forest Division, Distt. Mandi, Himachal Pradesh. (Online Proposal No. FP/HP/Others/122895/2021)

Sir ,

Kindly refer to your office letter no. RK/10254 Dated:- 13.02.2023 on the subject cited above. In this context the EDS raised by your good office has been attended as below:-

Sr.No.	Observation	Replay
1.	The supporting executive order for minimum area requirement for establishing NDRF Battalion issued by competent authority has not been uploaded and enclosed.	The desired information has been attached and uploaded on the portal.
2.	Revised Layout Plan showing all the dimensions of each component has not been uploaded on the MoEF portal.	Revised Layout Plan has been attached.
3.	Cost Benefit Analysis has not been revised. The same may be revised, uploaded and attached.	Revised Layout Plan has been attached and uploaded.


Sub Divisional Officer (C)
Balh, Distt. Mandi H.P.

14/08/11 (16)

Ref: 31/2003 NDMA/11
Government of India, Ministry of Home Affairs
Ministry of Home Affairs (Civil) Directorate
Disaster Management Division
NDRF Section

Lok Nayak Bhawan, New Delhi
Dated the 19-08-2011

To

- (i) Secretary (NDMA)
NDMA Bhawan, A-1 Safdarjung Enclave,
New Delhi.
- (ii) Director General,
NDRF, East Block-VII,
Level-7, R.K. Puram,
New Delhi.

Subject: Proposal for approval of NDRF Battalion infrastructure by MHA.

Sir,

I am directed to refer to your letter No. NDMA/NDRF/Infrastructure/381/2010 dated 18-2-2011 on the above mentioned subject and to state that the competent authority has approved the norms and scales of infrastructure relating to office accommodation, residential accommodation, outdoor training block, kennel for dogs, hospital, prop area, fitness centre ware house, library, miscellaneous works etc. for NDRF Battalion as per the details given in the enclosed **Annexure**.

2. The approval is subject to the condition that the kennel infrastructure for dogs may be restricted to 36 dogs for each of the new battalions at Guntur and Patna and for 12 dogs in each of the other 08 NDRF Bns.

3. This issue with the concurrence of IFD, vide its diary No.84046/Fin-IV/2011 dated 21-7-2011.

Encl: As above (Total 5 pages)

Yours faithfully,


Asst. Commandant (Engr.)
14th Bn, NDRF


Sub Divisional Officer (Civil)
Balk, District Mandi (H.P.)

(DEV Kumar)
Director (DM-1)
Tel: 24642853

Copy to: Integrated Finance Division, (FIN-IV), MHA, North Block, New Delhi.

(496)

Annexure

AT **HORIZONTALIZATION OF SCALE/NORMS OF INFRASTRUCTURE** **FOR NDRT BATTALION**

S.No.	Details of facilities.	Area authorized. (in Sq.mtr)
1	2	3
1	OUTDOOR TRAINING BLOCK	1
	1. Drill sheds (692.38 sq.mtr)	692.38
	2. P.T Ground	
	3. Parade ground	46700
	4. Obstacles course	
	5. Play Grounds	
		(Athletics of 400 mtr. Track, play ground like hockey ground, football ground, volleyball court, basketball, boxing ring and swimming pool, etc.
2	KENNEL INFRASTRUCTURE FOR DOGS TRAINING	1880
	Kennel (with requisite facilities) for 36 dogs for each of the battalion at Patna & Guntur. For the other 8 battalions to be restricted to 12 dogs.	-
	Cook house for dogs food.	-
	A veterinary Hospital with the following facilities i.e. vet. Officer room, M.I room, Minor operation room, Injection room, Quarantine bloc, Store	-
	Training area of appropriate size and facilities	-
	Dog handler staff room.	-
3	COMMUNICATION BLOCK	255
	Office Room for Asstt. Commandant (Comn)-1	-
	Signal Centre	-
	Radio Grid supervisor office	-
	Telephone exchange-1	-
	Internet /Room-1	-
	Instruments repair room-1	-
	Store room for Communication equipments-1	-
	Battery Charging cum generator room-1	-
4	QUARTER MASTER STORES	696
	store room for CSSR equipment	-
	store rooms for MFR equipment	-
	Store room for Flood rescue equipment (excluding boats)	-
	store rooms for NBC equipment	-
	Store rooms for clothing and personal protective equipments	-
	store room for ten	-
	store room for	-
	Sheds for Boats	-
	or ready to ship out	-

Commandant

14th Battalion, G. A. M. O. N. L.

14th Bn NDRT

Asstt. Commandant (Engr)

14th Battalion, G. A. M. O. N. L.

14th Bn, NDRT

Sub Divisional Officer (Civil)
(32h, District Mandi (H.P.))

997

	store rooms for condemned stores awaiting disposal	
	Office room for QM stores staff	
5	MT BLOCK	
	Office room for Asstt. Comdt. (MTO)-1	4130
	MT Office	
	Sheds for all MT Vehicle (as per sanctioned fleet strength)	
	Heavy Vehicle X 21	
	Medium Vehicle X 18	
	Light Vehicle X 38	
	MT Workshop with work pit	
	Engine shop	
	Lathe Machine	
	Body Fitter room	
	Painting room	
	Welder room	
	Washing Ramp	
	Store for spare parts, tyres / tubes and batteries	
	MT General store	
	Tyre store	
	Spare part store	
	Storage for POL	
	Battery Charging Room	
	Room for MT staff / Drivers duty room	
6	ADM BLOCK	2100
	Office room for Commandant-1	
	Steno to the Comdt-1	
	Second-in-Command-1	
	Deputy Commandant (Adm)-1	
	Deputy Commandant(QM)-1	
	Asstt. Commandant(JSO)-1	
	Asstt. Commandant Pioneer platoon	
	Office accommodation for staff of Adm. and pioneer platoons	
	Office accommodation for Establishment	
	Office accommodation for Account Branch	
	Office accommodation for QM Branch	
	Office accommodation for Training Branch	
	Cashier Room	
	Record room	
	Conference room	
7	Control room	
	COMPANY & TEAM OFFICE BLOCK	6000
	Office Chamber for coy Commander(DC/AC)-1	
	Office accommodation for other company staff (Insp/ SI/PCs/PCs	
	QM Stores-1	
8	MESSES FOR BL/GUEST HOUSE BARRACKS	1552
	A fully-furnished rest house for visiting personages and	

सहयुक्त (सहायक) (भियन्ता)
Asstt. Commandant (Engr)
12th Battalion, 14th Bn. NDRF

Sub Divisional Officer (Civil)
Roh. District Mandi (H.P.)

(799)

	Prop area	
	Rubble filed with collapsed single & Multi stored structures	
	Decontamination rig area	
	Artificial wall cum slithering tower-1	
	Swift water training facility	
	Area for dead body management	
	Responders fitness room cum Gymnasium	100
	Indoor auditorium (with a seating capacity for 300 persons)	1250
	Swimming Pool with deep diving facility-1 and one deep end	400
	Open air Auditorium with a seating capacity of 1500 Personnel.	100
21	ADDITIONAL REQUIREMENT OF NBC BATTALION	
	Radiological training laboratory with instruments Calibration room	1366
	Mask Testing Room	-
	Head stroke relied room	-
	Shower area	-
	change Room	-
	Monitoring Room	-
	Debriefing Room	-
	Decontamination Room	-
	Biological Model Room	-
	Chemical Model Room	-
	Hazardous Material stores	-
	Non hazardous material stores	-
	Underground Nuclear shelter for learning and practice by troops	-
	Personal protective equipment (PPE) stores	-
22	WAREHOUSING OF NATIONAL DISASTER MITIGATION RESERVE STORES	4000
	1. Pre- Fabricated steel structure godown with poly coated sheet in roofing and sidewall cladding of the size 126 X 21.80 mtr	
	2. Approach road 50X6 mtr	
	3. Tube well.	
23	LIBRARY	150
	Library -Cum-Reading Room-1	-
24	Office space for Library Staff-1	-
	OTHER FACILITIES	1500
	i) Helipad cum Heli dropping area	36421.7
25	ii) Central school	
	Miscellaneous works	
	i) Incident	
	ii) Rain	
	iii) Auditorium	



Signature
Commandant

Signature

सहयुक्त (जी.म.य.न.)
Asstt. Commandant (Engr.)
14वीं बलिंग, संयुक्त संसदीय मंत्रालय
14th Bn, NDRF

Joint Divisional Officer (Civil)
Bath, District Mandi (H.P.)

outstation guest faculty-1 (with 4 suits and 12 rooms fully furnished) with Messing etc facilities.

A Hostel for trainee officer from State Government and Community volunteer 30 double bedded rooms (Fully furnished)

Subordinate officers Mess (fully furnished) with 30 double bedded rooms, besides a common room, dining hall, kitchen, store room etc.

Barracks (fully furnished) for other ranks of a capacity to accommodate 180 personnel each)-3

A fully furnished Barracks (to accommodate 180 persons) for trainee from outside.

9 RESIDENTIAL ACCOMMODATION

100 % family accommodation for commandant and other Gazetted Officer, as per the types of entitlement.

270.40

Family accommodation for subordinate officer to the extent of 75% of sanctioned strength.

1992

Type-II & III qtrs for Constable, Head constable and other staff (as per the entitled type of accommodation) to the extent of 75% of sanctioned strength.

1257.10

Type-III (128 Nos) \$1

4653.45

Type-II (716 Nos) \$34.

16722

Note: As per Kamal Kumar Committee report 100 % family accommodation for officers and 75 % authorization for upto the rank of Inspectors.

10 20 BEDED HOSPITAL

1250

11 OTHER FACILITIES

i) Generator Room

100

ii) Cooperative stores and canteen

660

iii) Recreation Centre

650

iv) Family welfare centre

500 ✓

v) Bank, Post office/cyber café and shopping complex

500 ✓

vi) In PAR estimate the area of Children park has not been considered but now the area.

2500

12 Development work (75 Acres)

-

13 Sub station equipments electrical

-

14 Over head tank (8.00 lac lit capacity)

-

15 Bore well (150 mtr. Deep) 02 Nos.

-

16 Allied PIPE works.

-

17 Peripheral boundary wall (300.7 mtr)

100

18 Quarter Guard

1943.16

19 TRAINING BLOCK

Class Room (of seating capacity of 40 each) (with 4 break away syndicate rooms of a capacity of 10 each)

Class Room (of seating capacity of 60)-1

Table top Exercise Hall (with seating capacity of 100)-1

Earthquake Simulator Room

Computer Room-1

Store Room for training equipment-1

14th Bn. NDRF
Asst. Commandant (Engr.)
14th Bn. NDRF

Sub Divisional Officer (Civil)
Raich District Mandol (H.P.)

point HD video conference system, video conference mixer, tele conferencing mixer, VGA switch gear, composite switch gear, digital steer able audio solution, teleprompter, interpreter solutions, plasma display, 3 chip high luminous DLP projector, Video scalar, control system with fixed & WI-FI touch panel, cable & connectors)

iv) SITC of stage lighting system with compact controller.

TOTAL AREA

156291.23

(R.C. 1 1102 1102)

(21,891 95 + 131396)

Salzer

सेनानी
Commandant
14वीं वाहिनी, रा०आ०मो० बल
14th Bn NDRF

CTC

Gen

सहायक (अभियन्ता)
Asstt. Commandant (Engr.)
14वीं वाहिनी, रा०आ०मो० बल
14th Bn, NDRF



Sam
Sub Divisional Officer (Civil)
Roh, District Mandi (H.P.)

COST BENEFIT ANALYSIS FOR DIVERSION OF FOREST LAND

Name of the Project:- Setting up of National Disaster Response Force (NDRF) at Balh Distt. Mandi H.P.

Nature of Proposal:- Diversion of 27.5709 Ha. of Forest Land under FCA, 1980 for setting up of National Disaster Response Force (NDRF) at Balh Distt. Mandi H.P.

Total Forest Area:- 27.5709 Ha

Purpose:- The Cost Benefit Analysis is being undertaken for proposed diversion of Forest Land for setting up of National Disaster Response Force (NDRF) at Balh Distt. Mandi H.P.

Cost Benefit Analysis as per MoEF&CC Guideline for Forest Land Diversion – August, 2017

Table-A

Case under which a Cost-Benefit Analysis for Forest Diversion is required.

Sr. No.	Nature of Proposal	Applicable/Not Applicable	Remarks
1.	All category of forests involving forest land upto 20 hectares in plains and 5 hectares in hills	Applicable	These proposals may be considered on case to case basis and value judgment
2.	Proposal for defence installation purpose and oil prospecting.	Not Applicable	In view of National priority accorded to these sectors, the proposal would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non-forest use.
3.	Habitation, establishment of industrial units, tourist lodge complex and other building construction	Not applicable	These activities being detrimental to protection and conservation of proposals would be rarely entertained.
4.	All other proposal involving forest land more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation projects, hydro projects, mining activity, railway line, location specific installation like micro wave stations, auto repeater centres, TV towers etc.	Not Applicable	These are cases where a cost benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall public interest


Sub-Divisional Officer (Civil)
Balh, District Mandi (H.P.)

COST BENEFIT ANALYSIS
Estimation of Cost of Forest Diversion

Sr. No.	Parameters	Value expressed to Monetary terms and in Detail	Remarks
1.	Ecosystem services losses due to proposed forest diversion	Rs. 1,81,14,081/-	Economic value of loss of eco-system services due to diversion of forest shall be the net present value (NPV) of the forest land being diverted as prescribed by the Central Government (MoEF & CC).
2.	Loss of animal husbandry productivity, including loss of fodder	Rs. 18,11,408/-	To be quantified and expressed in monetary terms or 10% of NPV applicable whichever is maximum
3.	Cost of human resettlement	Since no residential village/ area is getting affected, there will be no cost of human resettlement.	To be quantified and expressed in monetary terms as per approved R&R plan
4.	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Since no public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, being diverted due to the project, there will be no such loss.	To be quantified and expressed in monetary terms on actual cost basis at the time of diversion
5.	Possession value of forest land diverted	30% of environmental costs (NPV) due to loss of forests i.e. Rs. 54,34,224/-	30% of environmental costs (NPV) due to loss of forests or circle rate of adjoining area in the district should be added as a cost component as possessor value of forest land whichever is maximum
6.	Cost of suffering to outsiders	Nil	The social cost of rehabilitation of oustees (in addition to the cost likely to be incurred in providing residence, occupation and social services as per R&R plan) be worked out as 1.5 times of what oustees should have earned in two years had he not been shifted.
7.	Habitat Fragmentation Cost	Rs. 90,57,041/-	While the relationship between fragmentation and forest goods and services in complex, for the sake of simplicity the cost due to fragmentation has been pegged at 50% of NPV applicable as a thumb rule.
8.	Compensatory afforestation and soil & moisture conservation cost	Rs. 1,37,85,258/-	The actual cost of compensatory afforestation and soil & moisture conservation and its maintenance in future at present discounted

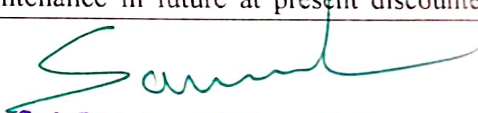

Sub Divisional Officer, Civil
Belh. District Mandi (H.P.)

Table: C

Estimating Benefits of Forest Diversion in Cost Benefit Analysis

Sr. No.	Parameters	Value expressed in monetary terms	Remarks
1.	Increase in Productivity attribute to the specific project	Growth of local business by almost Rs. 10,00,00,000.00 (Ten Crore Only) (Approx.)	To be quantified & expressed in monetary terms
2.	Benefits to economy due to the specific project.	The economic benefit in monetary terms due to the activities attributed to the specific project will be Rs. 10, 00.00 Lakhs (Ten Crore Only). (Approx.)	The incremental economic benefit in monetary terms due to the activities attributed to the specific project.
3.	No. of population benefited due to specific project.	About 4,80,392 man days job will be generated by the construction of the project, which will be paid with average salary of Rs. 475/- per day. That means around Rs. 228.19 Lakhs will be paid as salaries to the workers.	
4.	Economic benefits due to direct and indirect employment due to the project.	Directly:- 2150 Indirectly:- 4,78,242	
5.	Economic benefits due to Compensatory Afforestation	Economic benefits due to Compensatory Afforestation includes Benefits due to animal husbandry productivity including fodder and fuel wood , Ecosystem services Benefits due to proposed forest diversion, Possession value of forest land diverted will be Rs. 2,38,48,305/-	


 Sub Divisional Officer (Civil)
 Rth. District Mandi (H.P.)

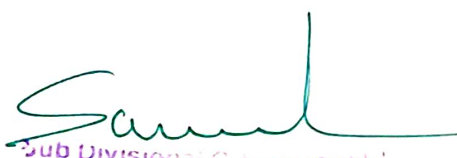
Summary of Cost Benefit Analysis for the Project

Sr. No.	Total Cost/Loss	Evaluation
1.	Ecosystem Services Loses Rs. 1,81,14081	Increase in productivity attribute to the specific project Rs. 10,00,000,00/-
2.	Loss of animal husbandary productivity including loss of fodders RS. 18,11,408	Benefit to economy due to the specific project Rs. 10,00,000,00/-
3.	Loss of public facility- Nil	
4.	Possession value of forest land diverted Rs. 54,34,224	Ecological gain from compensatory afforestation on 27.5709 Ha. on degraded land would be Rs. 2,38,48,305/-
5.	Habitat fragmentation cost Rs. 90,57,041/-	Total Employment Cost Rs. 2,28,19,000/-
6.	Compensatory afforestation and soil & moisture conservation cost Rs. 1,37,85,258/-	
	Total Cost/Loss= 4,82,02,012/-	Total Gain/Benefit from Project= 24,66,67,305/-

Cost Benefit Ration=Total Benefit/Total Cost

Therefore, CB Ration=246667305/48202012

CB Ration= 5.11 which is >1, so project is found viable based on given criteria.


 Sub Divisional Engineer (Civil)
 Balh, District Office, Balh
 Balh, District Mandi (H.P.)

APPENDIX 7

OFFICE OF THE
DIRECTOR GENERAL

Director General, NDRF

Level-7, R.K. Puram,

New Delhi-110016

Dated: 18-2-2011

To:

- (i) Secretary (NDMA)
NDMA Bhawan, A-1 S. Jangung Enclave,
New Delhi.
- (ii) Director General,
NDRF, East Block-VII
Level-7, R.K. Puram,
New Delhi.

Subject: Proposal for approval of NDRF Battalion Infrastructure by MHA.

Sir,

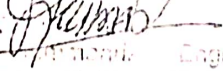
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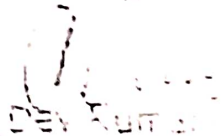
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Encl: As above (Total 5 pages)

Yours faithfully,


Director General, NDRF
Level-7, R.K. Puram,
New Delhi-110016


Director, DM-1
Tel: 24642853

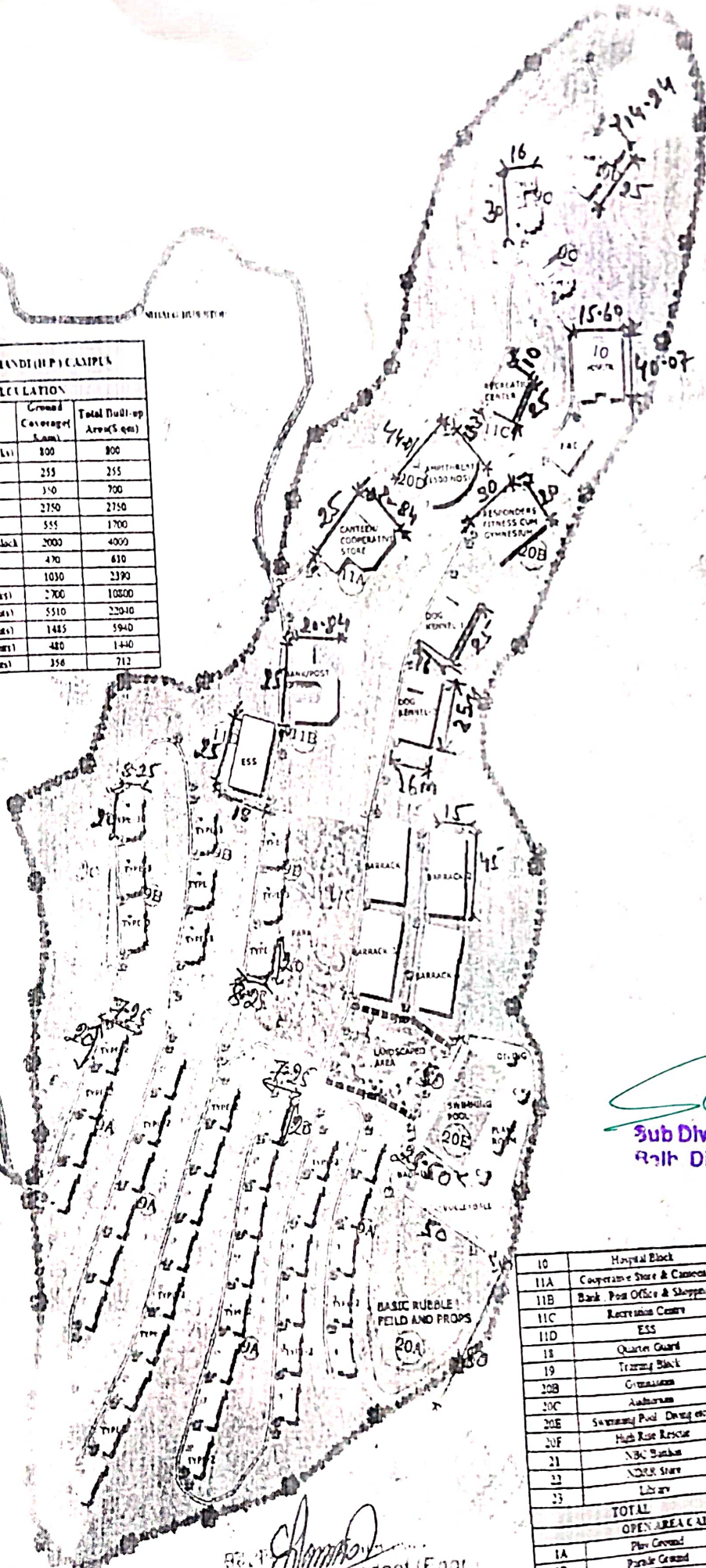
Copy to: Integrated Finance Division (FIN-IV), MHA, North Block, New Delhi.


Sub Divisional Officer (Civil)
Rajh, District Mandi (H.P.)

POCKET-2



AREA DETAILS FOR NDRE MANDI (H.P.) CAMPUS			
BUILD UP AREA CALCULATION			
LEGEND	Building Name	Ground Coverage (Sq.m)	Total Build-up Area (Sq.m)
2	12 Nos. DOG kennel 2 Blocks	800	800
3	Communication Block	255	255
4	Q/U Store	350	700
5	MT Block & Garage	2750	2750
6	Admin Block	555	1700
7	Company & Team Office Block	2000	4000
EA	GO'S Mess Block	470	610
EB	SO'S Mess Block	1030	2390
EC	18' Mess Barracks (4 Blocks)	2700	10800
9A	Type II Quarters (104 Units)	5510	22040
9B	Type III Quarters (12 Units)	1485	5940
9C	Type IV Quarters (12 Units)	480	1440
9D	Type V Quarters (4 Units)	354	712



Samuel
 Sub Divisional Officer (Civil)
 Balh District Mandi (H.P.)

10	Hospital Block	425	1250
11A	Cooperative Store & Canteen	521	521
11B	Bank Post Office & Shopping	521	521
11C	Recreation Centre	250	500
11D	ESS	450	450
18	Quarter Guard	100	100
19	Training Block	635	1825
20B	Gymnasium	500	1200
20C	Auditorium	400	400
20E	Swimming Pool, Dining etc.	1275	1275
20F	High Rise Rescue	11	61
21	NBC Bank	704	1400
22	NDRE Store	5000	3000
23	Library	155	150
TOTAL		27931	66394
OPEN AREA CALCULATION			
1A	Plan Ground	7000	7000
1B	Pavement Ground	1300	1300
20A	Basic Rubble Field	4000	4000
20D	OAT	187	187
TOTAL		13387	13387

Asst. Commandant (Engr)
 14th Bn NDRE