



No: PW.CHD.CB.FCA-Bamta_Mamvi/2024-

19181

Dated: 30/3/24

To

✓ The Divisional Forest Officer,
Chopal, Dist Shimla.

Subject:

Diversion of 2.4303 ha. of forest land in favour of HPPWD for the construction of Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Kms 0/0 to 5/355, within the jurisdiction of Chopal Forest Division Distt. Shimla (FP/HP/Road/154462/2022).

Sir,

The pointwise reply to the EDS raised on PARIVESH portal is hereby attended and submitted for favour of information and further necessary action please.

Point No.	Observation	Reply
1.	In Part-1, A -3 (xvii), the name mentioned in the authorization letter does not match the details of the person making the application	Er. Naresh Sharma, the than Engineer-in-Chief HPPWD being competent authority has authorized all Executive Engineers in HPPWD Divisions (but not authorized by name for matching the details of the person making the application) to make application on behalf of the User Agency for seeking prior approval of Central Government under Section-2 of the FCA-1980 for diversion of fresh forest case.
2.	<p>It was submitted by the State Govt. the instant proposal was listed in 2183 road proposals constructed in violation of FCA, 1980. As such, the following documents need to be uploaded to the online portal to avoid any perplexing situations:-</p> <p>i. Copies of the Orders of the Hon'ble High Court of H.P. which finds mention of regularization of 2183 roads that have already been constructed in violation of the provisions of FCA, 1980.</p> <p>ii. Complete legible list of 2183 roads provided by HPPWD to Hon'ble High</p>	<p>i. List of roads in Orders of the Hon'ble High Court of H.P. which finds mention of regularization of 62 roads of Chopal Division out of total 2183 roads that have already been constructed in violation of the provisions of FCA, 1980 has been uploaded on the portal.</p> <p>ii. Complete legible list of 62 roads of Chopal Division out of total 2183</p>



RK
03/04/2024

<p>Court of Himachal Pradesh constructed in violation of FCA, 1980 highlighting the Sl. No. and the name of the road of the extant proposal.</p> <p>iii. The state Govt. needs to provide the RoW of the broken part.</p>	<p>roads provided by HPPWD to Hon'ble High Court of Himachal Pradesh constructed in violation of FCA, 1980 highlighting the Sl. No. 451 and the name of the road is Bamta to Mamuvi (Shangroli) via Jagrah Road.</p> <p>iii. The RoW detail of the broken part has been uploaded on the portal.</p>
<p>3. Following clarification regarding the KML file may be provided:-</p> <p>i. A fresh KML of the proposed alignment needs to be uploaded in polygon form to evaluate the area proposed for diversion.</p> <p>ii. The non-forest and forest land involved in the proposed road may be shown in the KML file with distinct colour.</p> <p>iii. Upon the examination of the KML uploaded it is observed that when all the beneficiary villages are well connected the purpose of proposing a new alignment excluding the violated part needs to be justified by the State Govt.</p>	<p>i. Revised KML file in polygon form has been uploaded on the portal.</p> <p>ii. The non-forest and forest land involved in the proposed road has been shown in the KML file with distinct colour.</p> <p>iii. There does not exist any HPPWD road and no village is well connected by road facility in the area as the path showing on the KML file is a mule path constructed by the local people to meet out their daily transportation needs. Further, the proposed road alignment is in the grade of 1:15 as per the specification of HPPWD road alignment. Moreover, the said area is large producer of Horticultural and Agricultural produces for which a proper road is essentially required to meet out the transportation requirement of the local people for their livelihood. The alignment selected cannot be escaped to provide the road facility to the inhabitants.</p>
<p>4. As per the JIR, it is submitted that 1125 meters (i.e., 0.1125 ha) of road is under violation. However, as per the information uploaded under part II by the concerned DFO, it is mentioned that 0.4034 ha is in violation. State Govt. needs to review the discrepancies submitted and provide a factual report of the violations.</p>	<p>As per the JIR, it is submitted that 1125 meters road constructed under violation is 0.5797 ha (i.e. 0.4034 ha in forest land and 0.1763 ha in non-forest land donated by the private land owners) instead of 0.1125 ha. Therefore the information uploaded under part II by the concerned DFO is 0.4034 ha which is forest land in violation. Hence the report provided is a factual report of the violations.</p>

5.	A statement showing Forest Land proposed for diversion on along Khasra no/Compartment no duly authenticated by the concerned DFO needs to be uploaded.	Uploaded now.
6.	Administrative approval from the competent authority for the proposed stretch excluding the broken part along with approved DPR needs to be uploaded.	The budget provision for preparation of DPR/Administrative Approval can be obtained from the competent authority after Stage-I approval. The copy of administrative approval and approved DPR will be provided before Stage-II approval.
7.	A digital copy of the layout Plan in an appropriate scale which must include a legend and the proper dimensions of each component duly authenticated by the concerned DFO needs to be uploaded	Digital Copy of Layout Plan has been uploaded now.
8.	The instant proposal is for a diversion of 2.4303 ha. However, the FRA certificate submitted is for 2.8337 ha. The state Govt. needs to review and justify the same	Corrected FRA copy for the diversion of 2.4303 ha will be provided before Stage-II approval.
9.	State Govt. needs to submit the IRC norms on which road has been proposed 5 to 7 meters.	Necessary certificate for construction of proposed road 5 to 7 meters.
10.	In the instant proposal is 2.4303 ha, However, the Muck Management Plan is submitted for 0.5620 ha. As such, A complete Muck Management Plan along with Engineering Measures and Biological Measures for the effective management of muck generated duly authenticated by the concerned DFO needs to be uploaded	Complete muck management plan for diversion of 2.4303 ha attached.
11.	According to Google Earth's latest image data dated 11/2022 it seems that approx. 3.36 (ha.) is available for the new plantation/target plantation out of 4.86 (ha.). Vacant space evaluated excluding mature/medium-sized trees visible through the latest Google Earth Image. Need more vacant area to fulfill the target plantation of 4.86 (ha.) i.e., 1.5 (ha.)	Pertains to DFO Office
12.	The recommendation of DFO uploaded column 16 needs to be uploaded afresh with incorporating details of violations.	Pertains to DFO Office


 (Er. Rakesh Thakur)
 Executive Engineer,
 Chopal division.

AUTHORITY LETTER

I Naresh Sharma, Engineer-in-Chief, HP.PWD, being competent authority, do hereby authorize all Executive Engineers, HPPWD Divisions to make application on behalf of the User Agency for seeking prior approval of Central Government under Section-2 of the Forest Conservation Act- 1980 for Diversion of fresh forest area.

MLP
Engineer-in-Chief,
HP.PWD, Shimla-2
Ch

Details for roads constructed in violations of FCA-1980

Sl. No.	Name of Division	Name of the road	Total length of road (kms)	Starting From (Name)
14th Circle Rohru				
418	Chopal	C/o Rewalpul Marog road km. 0/0 to 6/0 under State Head.	6.00	Marog
419	Chopal	C/o Marog to Garog road km. 0/0 to 3/200 under State Head	3.20	Marog
420	Chopal	C/o Gorli Marog to Kelvi road km. 0/0 to 5/0 under SSCP	5.00	Barog
421	Chopal	C/o Alashna to Kharog road km. 0/0 to 5/0 under SSCP	5.00	Alashna
422	Chopal	C/o Mandli to Jundla road km. 0/0 to 3/0 under State Head	3.00	Mandli
423	Chopal	C/o Marog to Gorli road km. 0/0 to 5/750 under State Head	5.75	Marog
424	Chopal	C/o Chambli to Stall road up to Kalawan km. 0/0 to 7/0 under SSCP	7.00	Chambli
425	Chopal	C/o Dofty to Pabas road km. 0/0 to 5/0 under State Head.	5.00	Dofty
426	Chopal	C/o Mashrot to Harijan Basti Shila Badlog road km. 0/0 to 1/200 under SSCP.	1.20	Mashrot
427	Chopal	C/o Salana to Jhina road km. 0/0 to 7/0 under State Head	7.00	Salana
428	Chopal	C/o Chopal Bodhana Chowkia Jhiknipul road km. 0/0 to 16/135 under State Head	16.14	Chopal
429	Chopal	C/o Neripul Pulbahal Thundal road km. 0/0 to 12/885 under PMGSY	12.89	Pulbahal
430	Chopal	C/o Bassadhar to Bhot Katonth road km. 0/0 to 2/500	2.50	Bassa dhar
431	Chopal	C/o bridge over Shantha khud on Chopal Jhiknipul road via Deot.		Shantha
432	Chopal	C/o Pulbahal to Naoni road km. 0/0 to 7/0 under PMGSY.	7.00	Pulbahal
433	Chopal	C/o Rewalpul Marog road (from Rewalpul side) km. 0/0 to 5/0 under NABARD.	5.00	Rewalpul
434	Chopal	C/o Rewalpul Marog to Jubbar road km. 0/0 to 6/500.	6.50	Rewalpul
435	Chopal	C/o Dharta to Makrog road km. 0/0 to 9/405	9.41	Dharta
436	Chopal	C/o Nerwa to Kharachali road km. 0/0 to 7/0 under PMGSY.	7.00	Kiri
437	Chopal	C/o Neoty to Lakhawati road km. 0/0 to 3/800 under PMGSY	3.80	Neoty
438	Chopal	C/o link road to village Dhawandli km. 0/0 to 2/0 under Deposit.	2.00	Ranvi
439	Chopal	C/o Neoty to Bavi road km. 0/0 to 4/0 under SSCP.	4.00	Neoty
440	Chopal	C/o Diandly Nalla to Thachali Soil road km. 0/0 to 4/450 under SSCP	4.45	Diandly
441	Chopal	C/o Shawala to Dakhai Gatori Harijan Basti road km. 0/0 to 5/0 under SSCP	5.00	Bagasan
442	Chopal	C/o Ghilar Koti Optua road under NABARD km. 0/0 to 5/500.	5.50	Nerwa
443	Chopal	C/o Harijan Basti road to Gara Bawara km. 0/0 to 0/0 to 3/0 under SSCP	3.00	Gara
444	Chopal	C/o Jhiknipul Sheila Ranvi road km. 0/0 to 12/685 under State Head	12.69	Bag (Jhiknipul)
445	Chopal	C/o Kedi Deiya via Balidhar Ghuntari Bijathal road km. 0/0 to 3/500 under State Head.	3.50	Kedi
446	Chopal	C/o Sheekiar to Shandli Bholala road km. 0/0 to 10/0 under State Head	10.00	Sheekiar
447	Chopal	C/o Silori Bijathal road km. 0/0 to 7/0 under Deposit	7.00	Sikri
448	Chopal	C/o Dhatrog Shalanya to Bholala road km. 0/0 to 9/0 under Deposit	9.00	Dhatrog
449	Chopal	C/o Kanahal to Bijathal road km. 0/0 to 9/0 under PMGSY	9.00	Kanahal
450	Chopal	C/o Parli Bawari to Pabas road km. 0/0 to 2/0 under SSCP.	2.00	Parli Bawari

Sl. No.	Name of Division	Name of the road	Total length of road (kms)	Starting From (Name)
451	Chopal	C/o Bamta kainchi to Shangroli km. 0/0 to 6/0 under State Head.	6.00	Bamta
452	Chopal	C/o Sagroti Tikkari Maneoty road km. 0/0 to 14/135 under NABARD	14.14	Sagroti
453	Chopal	C/o Kuthar Tikkari via Gian Chhanog road km. 0/0 to 3/500 under State Head.	3.50	Shamtha
454	Chopal	C/o Tharoch Chhajpur road km. 0/0 to 3/0 under State Head.	3.00	Tharoch
455	Chopal	C/o Bharanu to Koti road km. 0/0 to 9/0 under State Head.	9.00	Kuthar
456	Chopal	C/o Mashrain to Thiara road km. 0/0 to 0/230 under SSCP.	0.23	Jointi
457	Chopal	C/o Batera to Hallau road km. 0/0 to 7/0 under	7.00	Batera
458	Chopal	C/o Jhandua to Chhanog road km. 0/0 to 6/060 under	6.06	Jhandua
459	Chopal	C/o Tharoch Madhana road km. 0/0 to 8/600 under PMGSY.	8.60	Madhana
460	Chopal	C/o link road to village Chhachhar and Pashar km. 0/0 to 4/500 under SSCP.	4.50	Tharoch
461	Chopal	C/o link road Kutangan nalla to Sarach Kuri km. 0/0 to 5/0 under SSCP.	5.00	Kutantan
462	Chopal	C/o Sainj Khud Trahan Kupvi road km. 0/0 to 21/0 under NABARD.	21.00	Sainj khud
463	Chopal	C/o Sainj Khud Dak Shirar road km. 0/0 to 8/900 under PMGSY.	8.90	Sainj
464	Chopal	C/o Dochi to Kanah road km. 0/0 to 13/0 under PMGSY.	13.00	Dochi
465	Chopal	C/o Manjholi to Chanjah road km. 0/0 to 8/0 under PMGSY.	8.00	Manjholi
466	Chopal	C/o Haripurddhar Manjholi road km. 0/0 to 14/0 under PMGSY.	14.00	Haripur dhar
467	Chopal	C/o Manjholi to Bag road km. 0/0 to 4/975 under PMGSY.	4.98	Manjholi
468	Chopal	C/o Dhurla to Jhadhar km. 0/0 to 3/500.	3.50	Dhurla
469	Chopal	C/o Kandralla Gagna Jabna nalla road km. 0/0 to 5/500.	5.50	Kandralla
470	Chopal	C/o Malkot to Nanhar via Kuftu road km. 0/0 to 6/0.	6.00	Malkot
471	Chopal	C/o Chiuna nalla to Kot Naina road km. 0/0 to 1/0.	1.00	Chiuna nalla
472	Chopal	C/o link road Charach to Chilla up to lower Kuffer km. 0/0 to 7/0.	7.00	Charach
473	Chopal	C/o Prem Nagar to Gadhral road km. 0/0 to 2/0 under SSCP.	2.00	Gadhral
474	Chopal	C/o Tikkari Nalla to Vill. Tikkari road km. 0/0 to 0/225	0.23	Tikkari Nalla
475	Chopal	C/o Chopal Bodhana Bawi road km. 0/0 to 3/500 under State Head	3.50	Chopal
476	Chopal	C/o Marog Trady Thana road km. 0/0 to 1/500 under State Head	1.50	Marog
477	Chopal	C/o Kurag to Malva Ghareen road km. 0/0 to 2/500	2.50	Kurag
478	Chopal	C/o Kurag Koti Teen Khamba road km. 0/0 to 1/500 under State Head	1.50	Kurag
479	Chopal	C/o Dhurla to Jubbar via Ghichana road km. 0/0 to 8/500 under State Head.	8.50	Dhurla

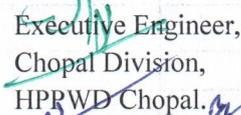
Deputy Conservator of Forests
Chopal Forest Division

Executive Engineer,
Chopal Division,
HPPWD Chopal.

Circle Wise Number of Roads Constructed in Violation of FCA 1980

	No. of Cases	Cases pertaining to HPPWD
Shimla Zone		
3rd Circle Solan	66	66
4th Circle Shimla	212	212
11th Circle Rampur	111	111
12th Circle Nahan	28	28
14th Circle Rohru	182	182
Total of Shimla Zine	599	599
Mandi Zone		
1st Circle Mandi	429	443
6th Circle Kullu	119	119
Jogindernagar Circle	287	239
Total of Mandi Zone	835	801
Hamirpur Zone		
Dharampur Circle	81	81
8th Circle Hamirpur	52	52
10th Circle Bilaspur	120	120
15th Circle Una	1	1
Total of Hamirpur Zone	254	254
Kangra Zone at Dharmshala		
5th Circle Palampur	127	127
7th Circle Dalhousie	204	204
9th Circle Nurpur	164	164
Total of Kangra Zone	495	495
Grand Total	2183	2149


 Deputy Conservator of Forests
 Chopal Forest Division

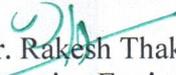

 Executive Engineer,
 Chopal Division,
 HPPWD Chopal.

Name of Project : Diversion of 2.4303 ha. of forest land in favour of HPPWD for the construction of Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Kms 0/0 to 5/355, within the jurisdiction of Chopal Forest Division Distt. Shimla (FP/HP/Road/154462/2022).

The pointwise reply to the EDS raised on PARIVESH portal is hereby attended and submitted for favour of information and consideration please

Point No. 3 :- (iii) *Upon the examination of the KML uploaded it is observed that when all the beneficiary villages are well connected the purpose of proposing a new alignment excluding the violated part needs to be justified by the State Govt.* It is submitted that there does not exist any HPPWD road and no village is well connected by road facility in the area as the path showing on the KML file is a mule path constructed by the local people to meet out their daily transportation needs. Further, the proposed road alignment is in the grade of 1:15 as per the specification of HPPWD road alignment. Moreover, the said area is large producer of Horticultural and Agricultural produces for which a proper road is essentially required to meet out the transportation requirement of the local people for their livelihood. The alignment selected cannot be escaped to provide the road facility to the inhabitants.

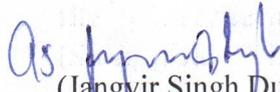

(Jangvir Singh Dulta, IFS),
Dy. Conservator of Forests,
Chopal Forest Division


(Er. Rakesh Thakur),
Executive Engineer,
HPPWD Divn. Chopal.

Name of Project : Diversion of 2.4303 ha. of forest land in favour of HPPWD for the construction of Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Kms 0/0 to 5/355, within the jurisdiction of Chopal Forest Division Distt. Shimla (FP/HP/Road/154462/2022).

The pointwise reply to the EDS raised on PARIVESH portal is hereby attended and submitted for favour of information and consideration please

Point No. 2 :- (ii) *Regarding complete legible list of 2183 roads provided by HPPWD to Hon'ble High Court of Himachal Pradesh constructed in violation of FCA, 1980 highlighting the Sl. No. and the name of the road of the extant proposal.* In this context the legible list of 62 roads of Chopal Division out of total 2183 roads provided by HPPWD to Hon'ble High Court of Himachal Pradesh constructed in the list of violation of FCA, 1980 cases at Sl. No. 451 and the name of the road is Bamta to Mamuvi (Shangroli) via Jagrah Road (copy enclosed).

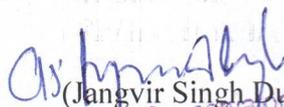

(Jangvir Singh Dulta, IFS),
Dy. Conservator of Forests,
Chopal Forest Division

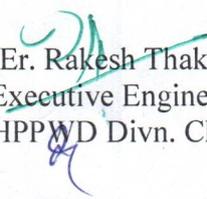

(Er. Rakesh Thakur),
Executive Engineer,
HPPWD Divn. Chopal.

Name of Project : Diversion of 2.4303 ha. of forest land in favour of HPPWD for the construction of Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Kms 0/0 to 5/355, within the jurisdiction of Chopal Forest Division Distt. Shimla (FP/HP/Road/154462/2022).

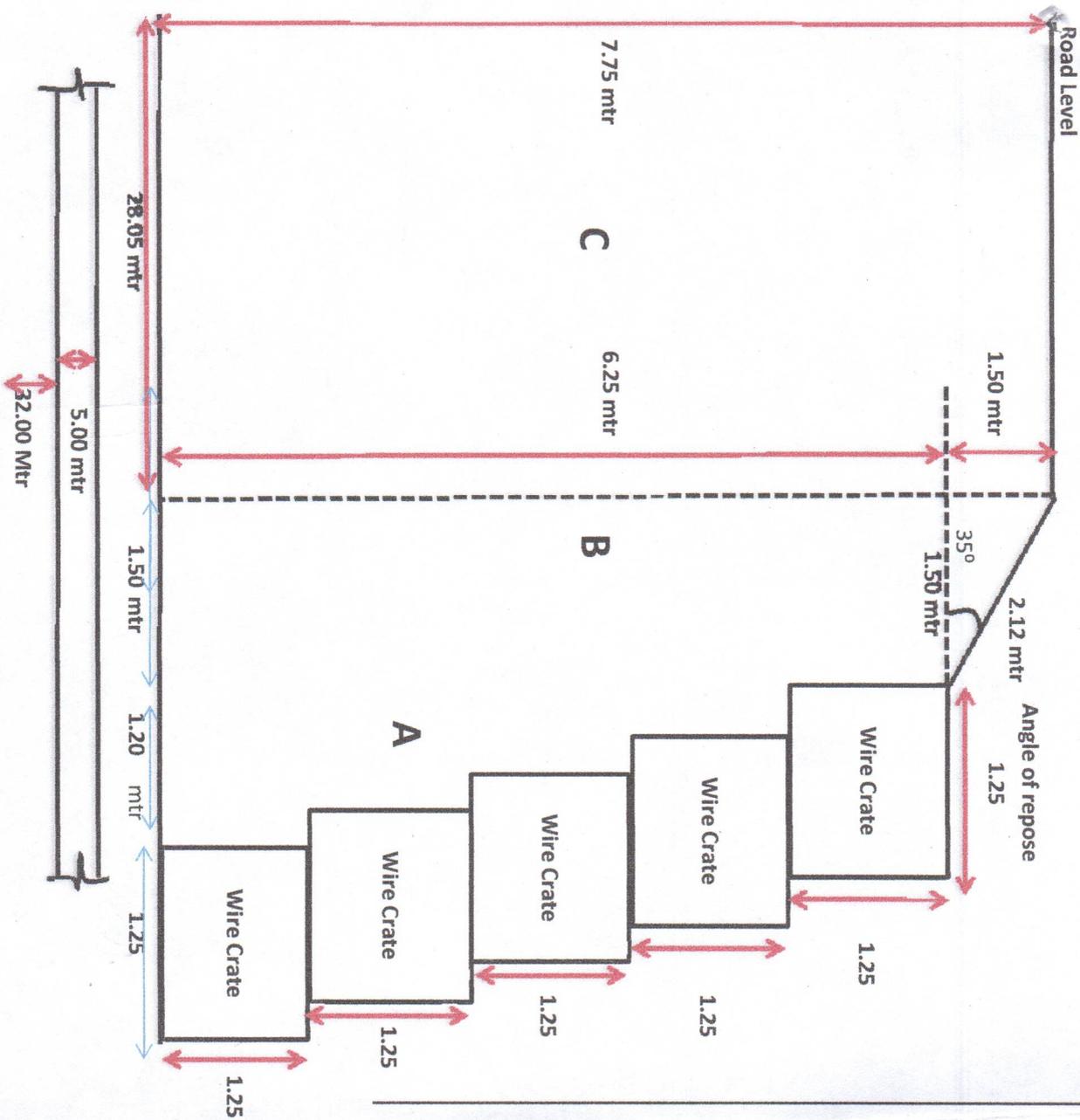
The pointwise reply to the EDS raised on PARIVESH portal is hereby attended and submitted for favour of information and consideration please

Point No. 4 :- *As per the JIR, it is submitted that 1125 meters (i.e., 0.1125 ha) of road is under violation. However, as per the information uploaded under part II by the concerned DFO, it is mentioned that 0.4034 ha is in violation. State Govt. needs to review the discrepancies submitted and provide a factual report of the violations.* As per the JIR, it is submitted that 1125 meters road constructed under violation is 0.5797 ha (i.e. 0.4034 ha in forest land and 0.1763 ha in non-forest land donated by the private land owners) instead of 0.1125 ha. Therefore the information uploaded under part II by the concerned DFO is 0.4034 ha which is forest land in violation. Hence the report provided is a factual report of the violations.


(Jangvir Singh Datta, FFS),
By: Conservator of Forests,
Chopal.


(Er. Rakesh Thakur),
Executive Engineer,
HPPWD Divn. Chopal.

Muck Dumping Plan :- C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.



Total sectional area of Dumping Place

- (A). $0.3 (5+3.75+2.5+1.25) = 3.75 \text{ m}^2$
- (B). $1.5 \times 6.25 + 1/2 \times 1.5 \times 1.5 = 10.50 \text{ m}^2$
- (C). $28.05 \times 7.75 = 217.39 \text{ m}^2$

TOTAL :- 231.64 m²

Capacity of Dumping Place :-

231.64.64 x 35 = 8107.40 cum
Total D1 = 8107.40 Cum

AREA OF DUMPING PLACE

D1 = 00-11-20 hac.

Wire Crates :-

5x14x2.50x1.25x1.25=273.44 Cum

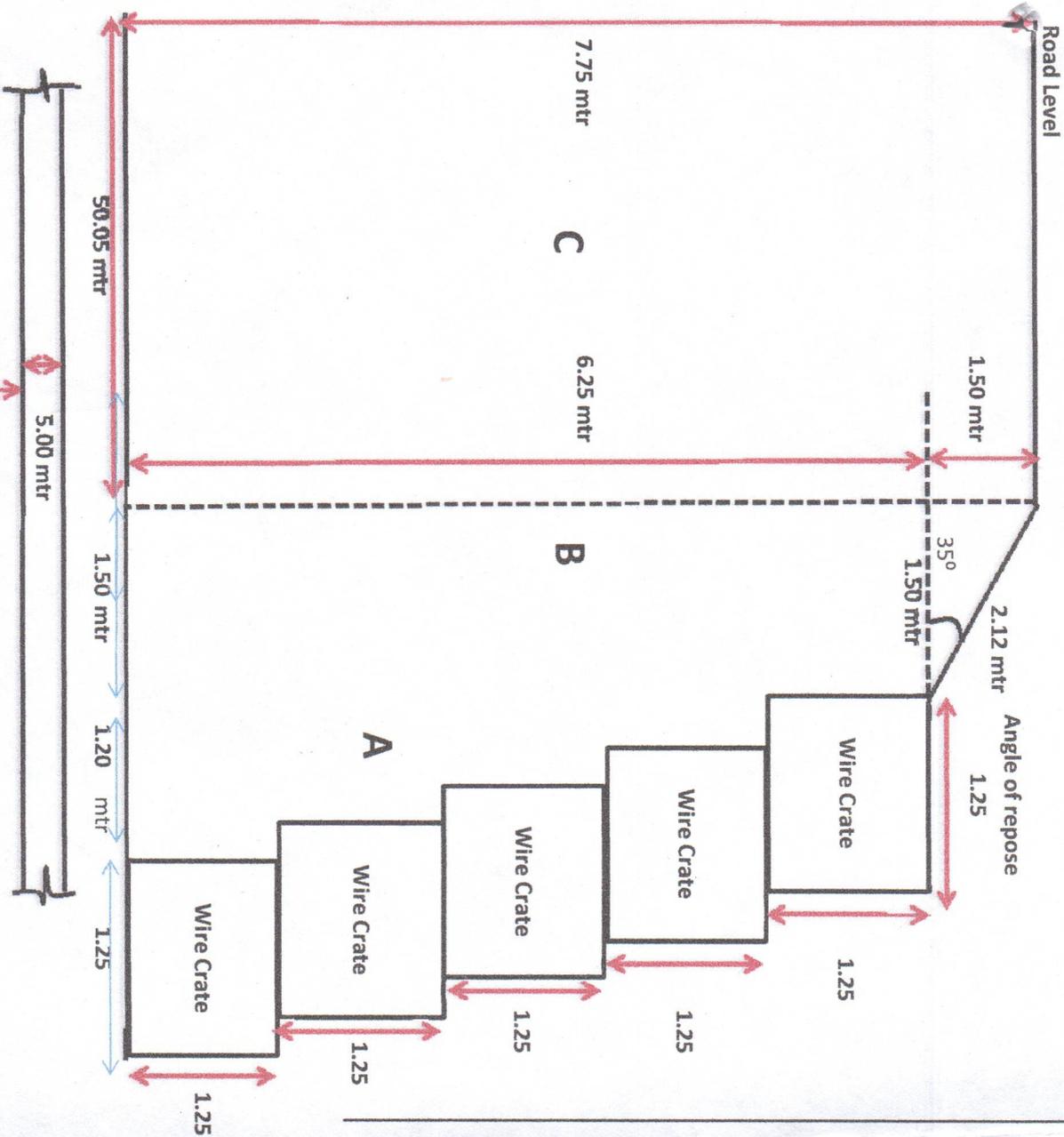
Boulders :-

- 35 x 1.5 x 6.25 = 328.13 Cum
 - 35 x 0.3 x 5 = 52.50 Cum
 - 35 x 0.3 x 3.75 = 39.38 Cum
 - 35 x 0.3 x 2.50 = 26.25 Cum
 - 35 x 0.3 x 1.25 = 13.13 Cum
- TOTAL : 459.38 Cum

Executive Engineer,
B&R Division
H&WD Chopal

Deputy Conservator of Forests
Chopal Forest Division

Muck Dumping Plan :- C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.



Total sectional area of Dumping Place

- (A). $0.3 (5+3.75+2.5+1.25) = 3.75 \text{ m}^2$
- (B). $1.5 \times 6.25 + 1/2 \times 1.5 \times 1.5 = 10.50 \text{ m}^2$
- (C). $50.05 \times 7.75 = 387.89 \text{ m}^2$

TOTAL :- 402.14 m²

Capacity of Dumping Place :-

402.14.64 x 50 = 20107.00 cum

Total D2 = 20107.00 Cum

AREA OF DUMPING PLACE

D2 = 00-27-00 hac.

Wire Crates :-

5x20x2.50x1.25x1.25=976.56 Cum

Boulders :-

50 x 1.5 x 6.25 = 468.75 Cum

50 x 0.3 x 5 = 75.00 Cum

50 x 0.3 x 3.75 = 56.25 Cum

50 x 0.3 x 2.50 = 37.50 Cum

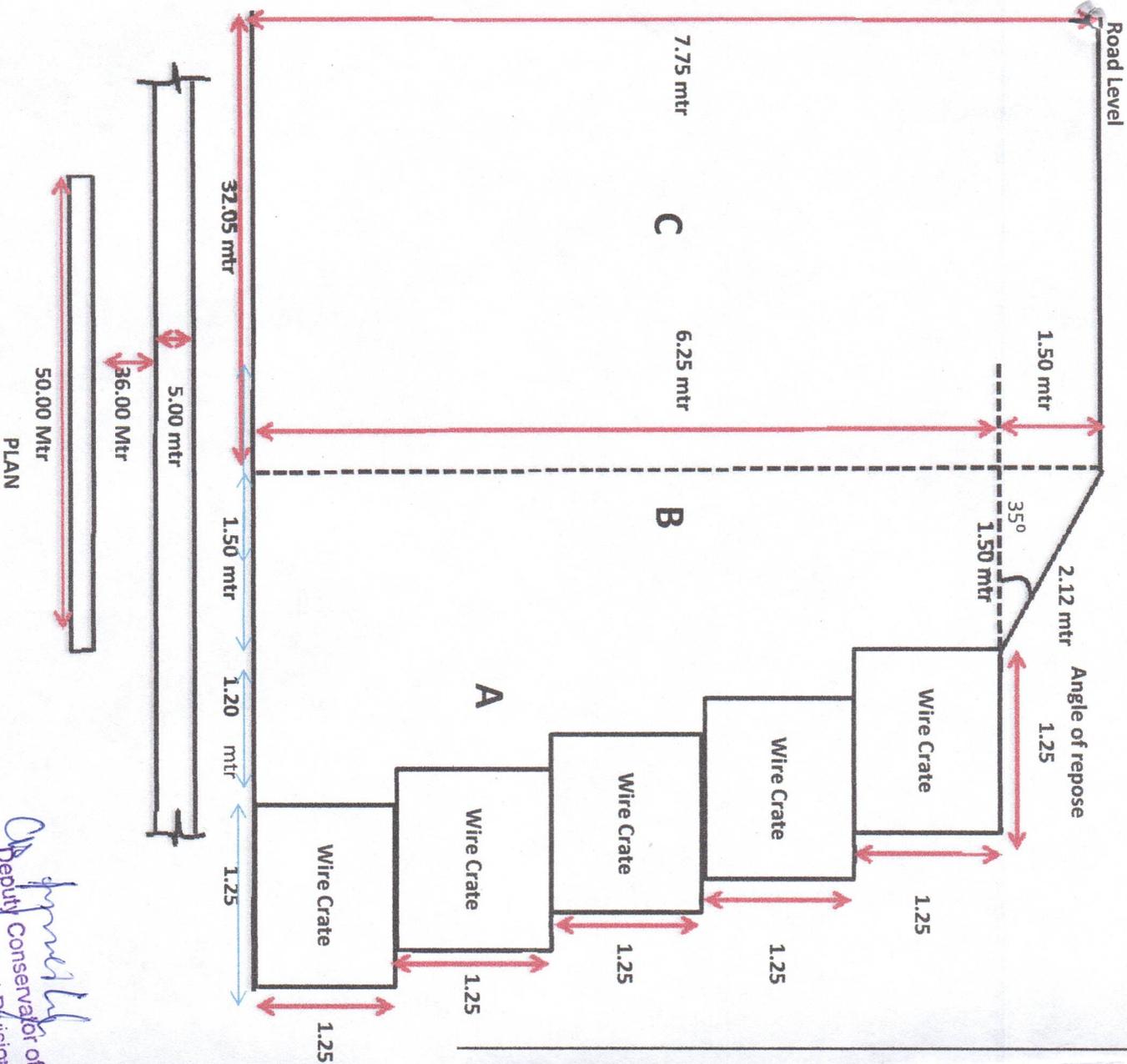
50 x 0.3 x 1.25 = 18.75 Cum

TOTAL : 656.25 Cum

Executive Engineer
B&R Division
HPWD Chopal

Deputy Conservator of Forests
Chopal Forest Division

Muck Dumping Plan :- C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.



Total sectional area of Dumping Place

- (A). $0.3 (5+3.75+2.5+1.25) = 3.75 \text{ m}^2$
- (B). $1.5 \times 6.25 + 1/2 \times 1.5 \times 1.5 = 10.50 \text{ m}^2$
- (C). $32.05 \times 7.75 = 248.39 \text{ m}^2$

TOTAL :- 262.64 m²

Capacity of Dumping Place :-

262.64 x 50 = 13132 cum

Total D3 = 13132 Cum

AREA OF DUMPING PLACE

D3 = 00-18-00 hac.

Wire Crates :-

5x20x2.50x1.25x1.25=976.56 Cum

Boulders :-

50 x 1.5 x 6.25 = 468.75 Cum

50 x 0.3 x 5 = 75.00 Cum

50 x 0.3 x 3.75 = 56.25 Cum

50 x 0.3 x 2.50 = 37.50 Cum

50 x 0.3 x 1.25 = 18.75 Cum

TOTAL : 656.25 Cum

[Signature]
Deputy Conservator of Forests
Chopal Forest Division

[Signature]
Executive Engineer
B&R Division
BPPWD Chopal

Muck Disposal Plan

Name of work : C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355

1	Total quantity of muck being produced.	35443.48
2	Deduction	1772.17
	Deduction for useful stone as required under the clause of agreement to be executed by the contractor and Executive Engineer of Project implementing unit division on behalf of Governor of H.P. for using in project.	
	Net balance quantity of debris/Muck.	33671.30
3	Quantity available on site with swell factor @ 40% of (A)	13468.52
	Grand Total (B)	47139.82
	Deduction	
	(i) Deduction for material required for the construction of dumping place in dry masonry wall @ 5% of (B)	-2356.99
	(ii) Less for material/Muck required for the levelling of the proposed road @ 15% of (B)	-7070.97
	Net Qty.(C)	
4	Net Material/Muck to be dumped in dumping site (B-C) in cum	37711.86
	In tonne	23569.91
5	Proposed dumping sites.	3 Nos.
	Material/Muck left at the site which required carriage for the proper dumping at the recognized site as per the instructions of forest and Environment Ministry reinforced by various judgements of the Apex court Govt. of India.	

EXECUTIVE ENGINEER
HPPWD Division,
Chopral Forest Division
Deputy Conservator of Forests
Chopral Forest Division

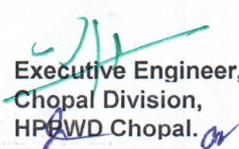
Executive Engineer,
HPPWD Division,
HPPWD Chopral.

MUCK DUMPING CAPACITY PLAN

Name of work : C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.

Sl. No.	Dumping site place.	R.D.	Design annexed	Capacity (in cum)	Remarks
1	Bamta	0/570 to 0/605	D1	8107.40	Muck generated in the entire length of road will be used in all dumping places as per muck dumping capacity.
2	DPF Bamta	2/190 to 2/240	D2	20107.00	
3	DPF Shangroli	3/780 to 3/830	D3	13132.00	
TOTAL				41346.40	


 Deputy Conservator of Forests
 Chopal Forest Division


 Executive Engineer,
 Chopal Division,
 HPDWD Chopal.

Sl. No.	Dumping site place.	R.D.	Design annexed	Capacity (in cum)	Remarks
1	Bamta	0/570 to 0/605	D1	8107.40	Muck generated in the entire length of road will be used in all dumping places as per muck dumping capacity.
2	DPF Bamta	2/190 to 2/240	D2	20107.00	
3	DPF Shangroli	3/780 to 3/830	D3	13132.00	
TOTAL				41346.40	

Executive Engineer,
 Chopal Division,
 HPDWD Chopal.

Detail of measurement

Name of work : C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355
(SH: F/C between km . 0/0 to 5/355).

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
1	0/0.	5.36	0	0	0	0	0	0	0	0	0	0	0
2	15	5.83	5.60	15	83.93	70%	20%	10%	0%	58.75	16.79	8.39	0.00
3	30	5.36	5.60	15	83.93	70%	20%	10%	0%	58.75	16.79	8.39	0.00
4	45	5.63	5.50	15	82.43	70%	20%	10%	0%	57.70	16.49	8.24	0.00
5	60	5.63	5.63	15	84.45	70%	20%	10%	0%	59.12	16.89	8.45	0.00
6	75	5.67	5.65	15	84.75	70%	20%	10%	0%	59.33	16.95	8.48	0.00
7	90	5.55	5.61	15	84.15	70%	20%	10%	0%	58.91	16.83	8.42	0.00
8	105	5.05	5.30	15	79.50	70%	20%	10%	0%	55.65	15.90	7.95	0.00
9	120	5.94	5.50	15	82.43	70%	20%	10%	0%	57.70	16.49	8.24	0.00
10	135	6.25	6.10	15	91.43	70%	20%	10%	0%	64.00	18.29	9.14	0.00
11	150	6.65	6.45	15	96.75	70%	20%	10%	0%	67.73	19.35	9.68	0.00
12	165	7.93	7.29	15	109.35	70%	20%	10%	0%	76.55	21.87	10.94	0.00
13	180	7.50	7.72	15	115.73	70%	20%	10%	0%	81.01	23.15	11.57	0.00
14	195	7.21	7.36	15	110.33	70%	20%	10%	0%	77.23	22.07	11.03	0.00
15	210	7.76	7.49	15	112.28	70%	20%	10%	0%	78.59	22.46	11.23	0.00
16	225	7.79	7.78	15	116.63	70%	20%	10%	0%	81.64	23.33	11.66	0.00
17	240	7.69	7.74	15	116.10	70%	20%	10%	0%	81.27	23.22	11.61	0.00
18	255	7.10	7.40	15	110.93	70%	20%	10%	0%	77.65	22.19	11.09	0.00
19	270	7.40	7.25	15	108.75	70%	20%	10%	0%	76.13	21.75	10.88	0.00
20	285	7.08	7.24	15	108.60	70%	20%	10%	0%	76.02	21.72	10.86	0.00
21	300	7.00	7.04	15	105.60	70%	20%	10%	0%	73.92	21.12	10.56	0.00
22	315	6.25	6.63	15	99.38	70%	20%	10%	0%	69.56	19.88	9.94	0.00
23	330	5.83	6.04	15	90.60	70%	20%	10%	0%	63.42	18.12	9.06	0.00
24	345	5.67	5.75	15	86.25	70%	20%	0%	0%	60.38	17.25	8.63	0.00
25	360	5.12	5.40	15	80.93	70%	20%	0%	0%	56.65	16.19	8.09	0.00
26	375	5.78	5.45	15	81.75	70%	20%	10%	0%	57.23	16.35	8.18	0.00
27	390	5.41	5.60	15	83.93	70%	20%	10%	0%	58.75	16.79	8.39	0.00
28	405	5.93	5.67	15	85.05	70%	20%	10%	0%	59.54	17.01	8.51	0.00
29	420	5.25	5.59	15	83.85	70%	20%	10%	0%	58.70	16.77	8.39	0.00
30	435	5.58	5.42	15	81.23	70%	20%	10%	0%	56.86	16.25	8.12	0.00
31	450	5.62	5.60	15	84.00	70%	20%	10%	0%	58.80	16.80	8.40	0.00
32	465	5.70	5.66	15	84.90	70%	20%	10%	0%	59.43	16.98	8.49	0.00
33	480	6.40	6.05	15	90.75	70%	20%	10%	0%	63.53	18.15	9.08	0.00
34	495	6.93	6.67	15	99.98	70%	20%	10%	0%	69.98	20.00	10.00	0.00
35	510	7.93	7.43	15	111.45	70%	20%	10%	0%	78.02	22.29	11.15	0.00
36	525	7.50	7.72	15	115.73	70%	20%	10%	0%	81.01	23.15	11.57	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
37	540	6.94	7.22	15	108.30	70%	20%	10%	0%	75.81	21.66	10.83	0.00
38	555	6.25	6.60	15	98.93	70%	20%	10%	0%	69.25	19.79	9.89	0.00
39	570	5.65	5.95	15	89.25	70%	20%	10%	0%	62.48	17.85	8.93	0.00
40	585	5.43	5.54	15	83.10	70%	20%	10%	0%	58.17	16.62	8.31	0.00
41	600	5.40	5.42	15	81.23	70%	20%	10%	0%	56.86	16.25	8.12	0.00
42	615	7.50	6.45	15	96.75	70%	20%	10%	0%	67.73	19.35	9.68	0.00
43	630	7.21	7.36	15	110.33	70%	20%	10%	0%	77.23	22.07	11.03	0.00
44	645	7.76	7.49	15	112.28	70%	20%	10%	0%	78.59	22.46	11.23	0.00
45	660	7.79	7.78	15	116.63	50%	30%	20%	0%	58.31	34.99	23.33	0.00
46	675	7.69	7.74	15	116.10	50%	30%	20%	0%	58.05	34.83	23.22	0.00
47	690	7.10	7.40	15	110.93	50%	30%	20%	0%	55.46	33.28	22.19	0.00
48	705	7.40	7.25	15	108.75	50%	30%	20%	0%	54.38	32.63	21.75	0.00
49	720	7.08	7.24	15	108.60	50%	30%	20%	0%	54.30	32.58	21.72	0.00
50	735	7.00	7.04	15	105.60	50%	30%	20%	0%	52.80	31.68	21.12	0.00
51	750	6.65	6.83	15	102.38	50%	30%	20%	0%	51.19	30.71	20.48	0.00
52	765	6.25	6.45	15	96.75	50%	30%	20%	0%	48.38	29.03	19.35	0.00
53	780	5.12	5.69	15	85.28	50%	30%	20%	0%	42.64	25.58	17.06	0.00
54	795	5.78	5.45	15	81.75	50%	30%	20%	0%	40.88	24.53	16.35	0.00
55	810	5.41	5.60	15	83.93	50%	30%	20%	0%	41.96	25.18	16.79	0.00
56	825	5.93	5.67	15	85.05	50%	30%	20%	0%	42.53	25.52	17.01	0.00
57	840	5.25	5.59	15	83.85	50%	30%	20%	0%	41.93	25.16	16.77	0.00
58	855	5.58	5.42	15	81.23	50%	30%	20%	0%	40.61	24.37	16.25	0.00
59	870	5.62	5.60	15	84.00	50%	30%	20%	0%	42.00	25.20	16.80	0.00
60	885	5.70	5.66	15	84.90	50%	30%	20%	0%	42.45	25.47	16.98	0.00
61	900	5.40	5.55	15	83.25	50%	30%	20%	0%	41.63	24.98	16.65	0.00
62	915	5.93	5.67	15	84.98	50%	30%	20%	0%	42.49	25.49	17.00	0.00
63	930	7.50	6.72	15	100.73	50%	30%	20%	0%	50.36	30.22	20.15	0.00
64	945	7.21	7.36	15	110.33	50%	30%	20%	0%	55.16	33.10	22.07	0.00
65	960	7.76	7.49	15	112.28	50%	30%	20%	0%	56.14	33.68	22.46	0.00
66	975	7.79	7.78	15	116.63	50%	30%	20%	0%	58.31	34.99	23.33	0.00
67	990	7.69	7.74	10	77.40	50%	30%	20%	0%	38.70	23.22	15.48	0.00
68	1/0.	7.10	7.40	15	110.93	50%	30%	20%	0%	55.46	33.28	22.19	0.00
69	15	7.40	7.25	15	108.75	50%	30%	20%	0%	54.38	32.63	21.75	0.00
70	30	7.08	7.24	15	108.60	50%	30%	20%	0%	54.30	32.58	21.72	0.00
71	45	7.00	7.04	15	105.60	50%	30%	20%	0%	52.80	31.68	21.12	0.00
72	60	6.65	6.83	15	102.38	50%	30%	20%	0%	51.19	30.71	20.48	0.00
73	75	6.25	6.45	15	96.75	50%	30%	20%	0%	48.38	29.03	19.35	0.00
74	90	5.20	5.73	15	85.88	50%	30%	20%	0%	42.94	25.76	17.18	0.00
75	105	5.89	5.55	15	83.18	50%	30%	20%	0%	41.59	24.95	16.64	0.00
76	120	7.62	6.76	15	101.33	50%	30%	20%	0%	50.66	30.40	20.27	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
77	135	5.63	6.63	15	99.38	50%	30%	20%	0%	49.69	29.81	19.88	0.00
78	150	5.67	5.65	15	84.75	50%	30%	20%	0%	42.38	25.43	16.95	0.00
79	165	5.55	5.61	15	84.15	50%	30%	20%	0%	42.08	25.25	16.83	0.00
80	180	5.05	5.30	15	79.50	50%	30%	20%	0%	39.75	23.85	15.90	0.00
81	195	5.94	5.50	7	38.47	50%	30%	20%	0%	19.23	11.54	7.69	0.00
82	210	5.25	5.60	8	44.76	50%	30%	20%	0%	22.38	13.43	8.95	0.00
83	225	5.65	5.45	15	81.75	50%	30%	20%	0%	40.88	24.53	16.35	0.00
84	240	5.43	5.54	15	83.10	50%	30%	20%	0%	41.55	24.93	16.62	0.00
85	255	5.40	5.42	15	81.23	50%	30%	20%	0%	40.61	24.37	16.25	0.00
86	270	7.50	6.45	15	96.75	50%	30%	20%	0%	48.38	29.03	19.35	0.00
87	285	7.21	7.36	15	110.33	50%	30%	20%	0%	55.16	33.10	22.07	0.00
88	300	7.76	7.49	15	112.28	50%	30%	20%	0%	56.14	33.68	22.46	0.00
89	315	7.79	7.78	15	116.63	50%	30%	20%	0%	58.31	34.99	23.33	0.00
90	330	7.69	7.74	15	116.10	50%	30%	20%	0%	58.05	34.83	23.22	0.00
91	345	7.10	7.40	15	110.93	50%	30%	20%	0%	55.46	33.28	22.19	0.00
92	360	7.40	7.25	15	108.75	50%	30%	20%	0%	54.38	32.63	21.75	0.00
93	375	7.08	7.24	15	108.60	50%	30%	20%	0%	54.30	32.58	21.72	0.00
94	390	7.00	7.04	15	105.60	50%	30%	20%	0%	52.80	31.68	21.12	0.00
95	405	6.65	6.83	15	102.38	50%	30%	20%	0%	51.19	30.71	20.48	0.00
96	420	6.25	6.45	15	96.75	50%	30%	20%	0%	48.38	29.03	19.35	0.00
97	435	5.12	5.69	15	85.28	50%	30%	20%	0%	42.64	25.58	17.06	0.00
98	450	5.78	5.45	15	81.75	50%	30%	20%	0%	40.88	24.53	16.35	0.00
99	465	5.41	5.60	15	83.93	50%	30%	20%	0%	41.96	25.18	16.79	0.00
100	480	5.93	5.67	15	85.05	50%	30%	20%	0%	42.53	25.52	17.01	0.00
101	495	5.25	5.59	15	83.85	50%	30%	20%	0%	41.93	25.16	16.77	0.00
102	510	5.58	5.42	15	81.23	50%	30%	20%	0%	40.61	24.37	16.25	0.00
103	525	5.62	5.60	15	84.00	60%	20%	20%	0%	50.40	16.80	16.80	0.00
104	540	5.70	5.66	15	84.90	60%	20%	20%	0%	50.94	16.98	16.98	0.00
105	555	5.40	5.55	15	83.25	60%	20%	20%	0%	49.95	16.65	16.65	0.00
106	570	5.93	5.67	15	84.98	60%	20%	20%	0%	50.99	17.00	17.00	0.00
107	585	7.93	6.93	15	103.95	60%	20%	20%	0%	62.37	20.79	20.79	0.00
108	600	7.50	7.72	15	115.73	60%	20%	20%	0%	69.44	23.15	23.15	0.00
109	615	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
110	630	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
111	645	6.79	7.28	15	109.13	60%	20%	20%	0%	65.48	21.83	21.83	0.00
112	660	7.69	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
113	675	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
114	690	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
115	705	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
116	720	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
117	735	6.94	6.97	15	104.55	60%	20%	20%	0%	62.73	20.91	20.91	0.00
118	750	6.25	6.60	15	98.93	60%	20%	20%	0%	59.36	19.79	19.79	0.00
119	765	6.65	6.45	15	96.75	60%	20%	20%	0%	58.05	19.35	19.35	0.00
120	780	6.43	6.54	15	98.10	60%	20%	20%	0%	58.86	19.62	19.62	0.00
121	795	6.40	6.42	15	96.23	60%	20%	20%	0%	57.74	19.25	19.25	0.00
122	810	7.50	6.95	15	104.25	60%	20%	20%	0%	62.55	20.85	20.85	0.00
123	825	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
124	840	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
125	855	7.79	7.78	15	116.63	60%	20%	20%	0%	69.98	23.33	23.33	0.00
126	870	7.69	7.74	15	116.10	60%	20%	20%	0%	69.66	23.22	23.22	0.00
127	885	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
128	900	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
129	915	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
130	930	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00
131	945	7.50	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
132	960	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
133	975	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
134	990	7.79	7.78	10	77.75	60%	20%	20%	0%	46.65	15.55	15.55	0.00
135	2/0.	7.69	7.74	15	116.10	60%	20%	20%	0%	69.66	23.22	23.22	0.00
136	15	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
137	30	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
138	45	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
139	60	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00
140	75	5.70	6.35	15	95.25	60%	20%	20%	0%	57.15	19.05	19.05	0.00
141	90	5.40	5.55	15	83.25	60%	20%	20%	0%	49.95	16.65	16.65	0.00
142	105	5.93	5.67	15	84.98	60%	20%	20%	0%	50.99	17.00	17.00	0.00
143	120	7.50	6.72	15	100.73	60%	20%	20%	0%	60.44	20.15	20.15	0.00
144	135	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
145	150	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
146	165	7.79	7.78	15	116.63	60%	20%	20%	0%	69.98	23.33	23.33	0.00
147	180	7.69	7.74	15	116.10	60%	20%	20%	0%	69.66	23.22	23.22	0.00
148	195	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
149	210	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
150	225	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
151	240	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00
152	255	6.65	6.83	15	102.38	60%	20%	20%	0%	61.43	20.48	20.48	0.00
153	270	6.25	6.45	15	96.75	60%	20%	20%	0%	58.05	19.35	19.35	0.00
154	285	5.20	5.73	15	85.88	60%	20%	20%	0%	51.53	17.18	17.18	0.00
155	300	5.89	5.55	15	83.18	60%	20%	20%	0%	49.91	16.64	16.64	0.00
156	315	7.62	6.76	15	101.33	60%	20%	20%	0%	60.80	20.27	20.27	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
157	330	7.50	7.56	15	113.40	60%	20%	20%	0%	68.04	22.68	22.68	0.00
158	345	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
159	360	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
160	375	7.79	7.78	15	116.63	60%	20%	20%	0%	69.98	23.33	23.33	0.00
161	390	7.69	7.74	15	116.10	60%	20%	20%	0%	69.66	23.22	23.22	0.00
162	405	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
163	420	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
164	435	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
165	450	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00
166	465	6.65	6.83	15	102.38	60%	20%	20%	0%	61.43	20.48	20.48	0.00
167	480	6.25	6.45	15	96.75	60%	20%	20%	0%	58.05	19.35	19.35	0.00
168	495	5.26	5.76	15	86.33	50%	20%	30%	0%	43.16	17.27	25.90	0.00
169	510	5.35	5.31	15	79.58	50%	20%	30%	0%	39.79	15.92	23.87	0.00
170	525	5.23	5.29	15	79.35	50%	20%	30%	0%	39.68	15.87	23.81	0.00
171	540	5.19	5.21	15	78.15	50%	20%	30%	0%	39.08	15.63	23.45	0.00
172	555	5.76	5.48	15	82.13	50%	20%	30%	0%	41.06	16.43	24.64	0.00
173	570	5.10	5.43	15	81.45	50%	20%	30%	0%	40.73	16.29	24.44	0.00
174	585	5.99	5.55	15	83.18	50%	20%	30%	0%	41.59	16.64	24.95	0.00
175	600	5.91	5.95	15	89.25	50%	20%	30%	0%	44.63	17.85	26.78	0.00
176	615	7.50	6.71	15	100.58	50%	20%	30%	0%	50.29	20.12	30.17	0.00
177	630	7.21	7.36	15	110.33	50%	20%	30%	0%	55.16	22.07	33.10	0.00
178	645	7.76	7.49	15	112.28	50%	20%	30%	0%	56.14	22.46	33.68	0.00
179	660	7.79	7.78	15	116.63	50%	20%	30%	0%	58.31	23.33	34.99	0.00
180	675	7.69	7.74	15	116.10	50%	20%	30%	0%	58.05	23.22	34.83	0.00
181	690	7.10	7.40	15	110.93	50%	20%	30%	0%	55.46	22.19	33.28	0.00
182	705	7.40	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
183	720	7.08	7.24	15	108.60	50%	20%	30%	0%	54.30	21.72	32.58	0.00
184	735	7.00	7.04	15	105.60	50%	20%	30%	0%	52.80	21.12	31.68	0.00
185	750	6.65	6.83	15	102.38	50%	20%	30%	0%	51.19	20.48	30.71	0.00
186	765	6.25	6.45	15	96.75	50%	20%	30%	0%	48.38	19.35	29.03	0.00
187	780	5.32	5.79	15	86.78	50%	20%	30%	0%	43.39	17.36	26.03	0.00
188	795	5.10	5.21	15	78.15	50%	20%	30%	0%	39.08	15.63	23.45	0.00
189	810	5.20	5.15	15	77.25	50%	20%	30%	0%	38.63	15.45	23.18	0.00
190	825	5.10	5.15	15	77.25	50%	20%	30%	0%	38.63	15.45	23.18	0.00
191	840	6.87	5.99	15	89.78	50%	20%	30%	0%	44.89	17.96	26.93	0.00
192	855	7.76	7.32	15	109.73	50%	20%	30%	0%	54.86	21.95	32.92	0.00
193	870	6.44	7.10	15	106.50	50%	20%	30%	0%	53.25	21.30	31.95	0.00
194	885	6.82	6.63	15	99.45	50%	20%	30%	0%	49.73	19.89	29.84	0.00
195	900	7.34	7.08	15	106.20	50%	20%	30%	0%	53.10	21.24	31.86	0.00
196	915	6.04	6.69	15	100.35	50%	20%	30%	0%	50.18	20.07	30.11	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
197	930	7.50	6.77	15	101.55	50%	20%	30%	0%	50.78	20.31	30.47	0.00
198	945	7.21	7.36	15	110.33	50%	20%	30%	0%	55.16	22.07	33.10	0.00
199	960	7.76	7.49	15	112.28	50%	20%	30%	0%	56.14	22.46	33.68	0.00
200	975	7.79	7.78	15	116.63	50%	20%	30%	0%	58.31	23.33	34.99	0.00
201	990	7.69	7.74	10	77.40	50%	20%	30%	0%	38.70	15.48	23.22	0.00
202	3/0.	7.10	7.40	15	110.93	50%	20%	30%	0%	55.46	22.19	33.28	0.00
203	15	7.40	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
204	30	7.08	7.24	15	108.60	50%	20%	30%	0%	54.30	21.72	32.58	0.00
205	45	7.00	7.04	15	105.60	50%	20%	30%	0%	52.80	21.12	31.68	0.00
206	60	6.65	6.83	15	102.38	50%	20%	30%	0%	51.19	20.48	30.71	0.00
207	75	6.25	6.45	15	96.75	50%	20%	30%	0%	48.38	19.35	29.03	0.00
208	90	5.12	5.69	15	85.28	50%	20%	30%	0%	42.64	17.06	25.58	0.00
209	105	5.78	5.45	15	81.75	50%	20%	30%	0%	40.88	16.35	24.53	0.00
210	120	5.41	5.60	15	83.93	50%	20%	30%	0%	41.96	16.79	25.18	0.00
211	135	5.93	5.67	15	85.05	50%	20%	30%	0%	42.53	17.01	25.52	0.00
212	150	5.25	5.59	15	83.85	50%	20%	30%	0%	41.93	16.77	25.16	0.00
213	165	5.58	5.42	15	81.23	50%	20%	30%	0%	40.61	16.25	24.37	0.00
214	180	5.62	5.60	15	84.00	50%	20%	30%	0%	42.00	16.80	25.20	0.00
215	195	5.70	5.66	15	84.90	50%	20%	30%	0%	42.45	16.98	25.47	0.00
216	210	5.40	5.55	15	83.25	50%	20%	30%	0%	41.63	16.65	24.98	0.00
217	225	5.93	5.67	15	84.98	50%	20%	30%	0%	42.49	17.00	25.49	0.00
218	240	7.50	6.72	15	100.73	50%	20%	30%	0%	50.36	20.15	30.22	0.00
219	255	7.21	7.36	15	110.33	50%	20%	30%	0%	55.16	22.07	33.10	0.00
220	270	7.76	7.49	15	112.28	50%	20%	30%	0%	56.14	22.46	33.68	0.00
221	285	7.79	7.78	15	116.63	50%	20%	30%	0%	58.31	23.33	34.99	0.00
222	300	7.69	7.74	15	116.10	50%	20%	30%	0%	58.05	23.22	34.83	0.00
223	315	7.10	7.40	15	110.93	50%	20%	30%	0%	55.46	22.19	33.28	0.00
224	330	7.40	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
225	345	7.08	7.24	15	108.60	50%	20%	30%	0%	54.30	21.72	32.58	0.00
226	360	7.00	7.04	15	105.60	50%	20%	30%	0%	52.80	21.12	31.68	0.00
227	375	6.65	6.83	15	102.38	50%	20%	30%	0%	51.19	20.48	30.71	0.00
228	390	6.25	6.45	15	96.75	50%	20%	30%	0%	48.38	19.35	29.03	0.00
229	405	7.00	6.63	15	99.38	50%	20%	30%	0%	49.69	19.88	29.81	0.00
230	420	7.29	7.15	15	107.18	50%	20%	30%	0%	53.59	21.44	32.15	0.00
231	435	7.90	7.60	15	113.93	50%	20%	30%	0%	56.96	22.79	34.18	0.00
232	450	7.41	7.66	15	114.83	50%	20%	30%	0%	57.41	22.97	34.45	0.00
233	465	7.59	7.50	15	112.50	50%	20%	30%	0%	56.25	22.50	33.75	0.00
234	480	6.32	6.96	15	104.33	50%	20%	30%	0%	52.16	20.87	31.30	0.00
235	495	6.15	6.24	15	93.53	50%	20%	30%	0%	46.76	18.71	28.06	0.00
236	510	6.19	6.17	15	92.55	50%	20%	30%	0%	46.28	18.51	27.77	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
237	525	5.75	5.97	15	89.55	50%	20%	30%	0%	44.78	17.91	26.87	0.00
238	540	5.63	5.69	15	85.35	50%	20%	30%	0%	42.68	17.07	25.61	0.00
239	555	7.50	6.57	15	98.48	50%	20%	30%	0%	49.24	19.70	29.54	0.00
240	570	7.21	7.36	15	110.33	50%	20%	30%	0%	55.16	22.07	33.10	0.00
241	585	7.76	7.49	15	112.28	50%	20%	30%	0%	56.14	22.46	33.68	0.00
242	600	7.79	7.78	15	116.63	50%	20%	30%	0%	58.31	23.33	34.99	0.00
243	615	7.69	7.74	15	116.10	50%	20%	30%	0%	58.05	23.22	34.83	0.00
244	630	7.10	7.40	15	110.93	50%	20%	30%	0%	55.46	22.19	33.28	0.00
245	645	7.40	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
246	660	7.08	7.24	15	108.60	50%	20%	30%	0%	54.30	21.72	32.58	0.00
247	675	7.00	7.04	15	105.60	50%	20%	30%	0%	52.80	21.12	31.68	0.00
248	690	7.50	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
249	705	7.21	7.36	15	110.33	50%	20%	30%	0%	55.16	22.07	33.10	0.00
250	720	7.76	7.49	15	112.28	50%	20%	30%	0%	56.14	22.46	33.68	0.00
251	735	7.79	7.78	15	116.63	50%	20%	30%	0%	58.31	23.33	34.99	0.00
252	750	7.69	7.74	15	116.10	50%	20%	30%	0%	58.05	23.22	34.83	0.00
253	765	7.10	7.40	15	110.93	50%	20%	30%	0%	55.46	22.19	33.28	0.00
254	780	7.40	7.25	15	108.75	50%	20%	30%	0%	54.38	21.75	32.63	0.00
255	795	7.08	7.24	15	108.60	50%	20%	30%	0%	54.30	21.72	32.58	0.00
256	810	7.00	7.04	15	105.60	50%	20%	30%	0%	52.80	21.12	31.68	0.00
257	825	6.62	6.81	15	102.15	50%	20%	30%	0%	51.08	20.43	30.65	0.00
258	840	6.85	6.74	15	101.03	50%	20%	30%	0%	50.51	20.21	30.31	0.00
259	855	5.12	5.99	15	89.78	50%	20%	30%	0%	44.89	17.96	26.93	0.00
260	870	5.08	5.10	15	76.50	50%	20%	30%	0%	38.25	15.30	22.95	0.00
261	885	5.58	5.33	15	79.95	50%	20%	30%	0%	39.98	15.99	23.99	0.00
262	900	5.32	5.45	15	81.75	50%	20%	30%	0%	40.88	16.35	24.53	0.00
263	915	6.65	5.99	15	89.78	50%	20%	30%	0%	44.89	17.96	26.93	0.00
264	930	6.25	6.45	15	96.75	50%	20%	30%	0%	48.38	19.35	29.03	0.00
265	945	5.94	6.10	15	91.43	50%	20%	30%	0%	45.71	18.29	27.43	0.00
266	960	5.25	5.60	15	83.93	50%	20%	30%	0%	41.96	16.79	25.18	0.00
267	975	5.65	5.45	15	81.75	50%	20%	30%	0%	40.88	16.35	24.53	0.00
268	990	5.43	5.54	10	55.40	50%	20%	30%	0%	27.70	11.08	16.62	0.00
269	4/0.	5.40	5.42	15	81.23	50%	20%	30%	0%	40.61	16.25	24.37	0.00
270	15	7.10	6.25	15	93.75	80%	10%	10%	0%	75.00	9.38	9.38	0.00
271	30	7.80	7.45	15	111.75	80%	10%	10%	0%	89.40	11.18	11.18	0.00
272	45	7.66	7.73	15	115.95	80%	10%	10%	0%	92.76	11.60	11.60	0.00
273	60	7.13	7.40	15	110.93	80%	10%	10%	0%	88.74	11.09	11.09	0.00
274	75	5.08	6.11	15	91.58	80%	10%	10%	0%	73.26	9.16	9.16	0.00
275	90	5.70	5.39	15	80.85	80%	10%	10%	0%	64.68	8.09	8.09	0.00
276	105	5.90	5.80	15	87.00	80%	10%	10%	0%	69.60	8.70	8.70	0.00

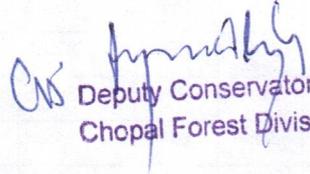
79.95	50%	20%	30%	0%	39.98	15.99	23.99	0.00
81.75	50%	20%	30%	0%	40.88	16.35	24.53	0.00
89.78	50%	20%	30%	0%	44.89	17.96	26.93	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
277	120	5.33	5.62	15	84.23	80%	10%	10%	0%	67.38	8.42	8.42	0.00
278	135	5.50	5.42	15	81.23	80%	10%	10%	0%	64.98	8.12	8.12	0.00
279	150	5.05	5.28	15	79.13	80%	10%	10%	0%	63.30	7.91	7.91	0.00
280	165	5.81	5.43	15	81.45	80%	10%	10%	0%	65.16	8.15	8.15	0.00
281	180	5.05	5.43	15	81.45	80%	10%	10%	0%	65.16	8.15	8.15	0.00
282	195	5.81	5.43	15	81.45	80%	10%	10%	0%	65.16	8.15	8.15	0.00
283	210	5.19	5.50	15	82.50	80%	10%	10%	0%	66.00	8.25	8.25	0.00
284	225	5.35	5.27	15	79.05	80%	10%	10%	0%	63.24	7.91	7.91	0.00
285	240	5.17	5.26	15	78.90	80%	10%	10%	0%	63.12	7.89	7.89	0.00
286	255	7.61	6.39	15	95.85	80%	10%	10%	0%	76.68	9.59	9.59	0.00
287	270	7.50	7.56	15	113.33	80%	10%	10%	0%	90.66	11.33	11.33	0.00
288	285	7.38	7.44	15	111.60	80%	10%	10%	0%	89.28	11.16	11.16	0.00
289	300	5.25	6.32	15	94.73	80%	10%	10%	0%	75.78	9.47	9.47	0.00
290	315	5.75	5.50	15	82.50	80%	10%	10%	0%	66.00	8.25	8.25	0.00
291	330	5.77	5.76	15	86.40	80%	10%	10%	0%	69.12	8.64	8.64	0.00
292	345	5.91	5.84	15	87.60	80%	10%	10%	0%	70.08	8.76	8.76	0.00
293	360	5.87	5.89	15	88.35	80%	10%	10%	0%	70.68	8.84	8.84	0.00
294	375	5.56	5.72	15	85.73	80%	10%	10%	0%	68.58	8.57	8.57	0.00
295	390	5.89	5.73	15	85.88	80%	10%	10%	0%	68.70	8.59	8.59	0.00
296	405	5.26	5.58	15	83.63	80%	10%	10%	0%	66.90	8.36	8.36	0.00
297	420	5.91	5.59	15	83.78	80%	10%	10%	0%	67.02	8.38	8.38	0.00
298	435	7.50	6.71	15	100.58	80%	10%	10%	0%	80.46	10.06	10.06	0.00
299	450	7.21	7.36	15	110.33	80%	10%	10%	0%	88.26	11.03	11.03	0.00
300	465	7.76	7.49	15	112.28	80%	10%	10%	0%	89.82	11.23	11.23	0.00
301	480	7.79	7.78	15	116.63	80%	10%	10%	0%	93.30	11.66	11.66	0.00
302	495	7.69	7.74	15	116.10	80%	10%	10%	0%	92.88	11.61	11.61	0.00
303	510	7.10	7.40	15	110.93	80%	10%	10%	0%	88.74	11.09	11.09	0.00
304	525	7.40	7.25	15	108.75	80%	10%	10%	0%	87.00	10.88	10.88	0.00
305	540	7.08	7.24	15	108.60	80%	10%	10%	0%	86.88	10.86	10.86	0.00
306	555	7.00	7.04	15	105.60	80%	10%	10%	0%	84.48	10.56	10.56	0.00
307	570	7.50	7.25	15	108.75	80%	10%	10%	0%	87.00	10.88	10.88	0.00
308	585	7.21	7.36	15	110.33	80%	10%	10%	0%	88.26	11.03	11.03	0.00
309	600	7.76	7.49	15	112.28	80%	10%	10%	0%	89.82	11.23	11.23	0.00
310	615	7.79	7.78	15	116.63	80%	10%	10%	0%	93.30	11.66	11.66	0.00
311	630	7.69	7.74	15	116.10	80%	10%	10%	0%	92.88	11.61	11.61	0.00
312	645	7.10	7.40	15	110.93	80%	10%	10%	0%	88.74	11.09	11.09	0.00
313	660	7.40	7.25	15	108.75	80%	10%	10%	0%	87.00	10.88	10.88	0.00
314	675	7.08	7.24	15	108.60	80%	10%	10%	0%	86.88	10.86	10.86	0.00
315	690	7.00	7.04	15	105.60	80%	10%	10%	0%	84.48	10.56	10.56	0.00
316	705	6.70	6.85	15	102.75	80%	10%	10%	0%	82.20	10.28	10.28	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
317	720	5.66	6.18	15	92.70	80%	10%	10%	0%	74.16	9.27	9.27	0.00
318	735	5.29	5.48	15	82.13	80%	10%	10%	0%	65.70	8.21	8.21	0.00
319	750	7.50	6.40	15	95.93	80%	10%	10%	0%	76.74	9.59	9.59	0.00
320	765	7.21	7.36	15	110.33	80%	10%	10%	0%	88.26	11.03	11.03	0.00
321	780	7.76	7.49	15	112.28	80%	10%	10%	0%	89.82	11.23	11.23	0.00
322	795	7.79	7.78	15	116.63	80%	10%	10%	0%	93.30	11.66	11.66	0.00
323	810	7.69	7.74	15	116.10	80%	10%	10%	0%	92.88	11.61	11.61	0.00
324	825	7.10	7.40	15	110.93	80%	10%	10%	0%	88.74	11.09	11.09	0.00
325	840	7.40	7.25	15	108.75	80%	10%	10%	0%	87.00	10.88	10.88	0.00
326	855	7.08	7.24	15	108.60	80%	10%	10%	0%	86.88	10.86	10.86	0.00
327	870	7.00	7.04	15	105.60	80%	10%	10%	0%	84.48	10.56	10.56	0.00
328	885	6.65	6.83	15	102.38	80%	10%	10%	0%	81.90	10.24	10.24	0.00
329	900	6.25	6.45	15	96.75	80%	10%	10%	0%	77.40	9.68	9.68	0.00
330	915	6.36	6.31	15	94.58	80%	10%	10%	0%	75.66	9.46	9.46	0.00
331	930	7.33	6.85	15	102.68	80%	10%	10%	0%	82.14	10.27	10.27	0.00
332	945	7.82	7.58	15	113.63	80%	10%	10%	0%	90.90	11.36	11.36	0.00
333	960	7.10	7.46	15	111.90	80%	10%	10%	0%	89.52	11.19	11.19	0.00
334	975	5.20	6.15	15	92.25	80%	10%	10%	0%	73.80	9.23	9.23	0.00
335	990	5.38	5.29	10	52.90	80%	10%	10%	0%	42.32	5.29	5.29	0.00
336	5/0.	5.26	5.32	15	79.80	80%	10%	10%	0%	63.84	7.98	7.98	0.00
337	15	6.06	5.66	15	84.90	60%	20%	20%	0%	50.94	16.98	16.98	0.00
338	30	6.78	6.42	15	96.30	60%	20%	20%	0%	57.78	19.26	19.26	0.00
339	45	6.30	6.54	15	98.10	60%	20%	20%	0%	58.86	19.62	19.62	0.00
340	60	6.50	6.40	15	96.00	60%	20%	20%	0%	57.60	19.20	19.20	0.00
341	75	6.42	6.46	15	96.90	60%	20%	20%	0%	58.14	19.38	19.38	0.00
342	90	6.00	6.21	15	93.15	60%	20%	20%	0%	55.89	18.63	18.63	0.00
343	105	6.35	6.18	15	92.63	60%	20%	20%	0%	55.58	18.53	18.53	0.00
344	120	7.50	6.93	15	103.88	60%	20%	20%	0%	62.33	20.78	20.78	0.00
345	135	7.21	7.36	15	110.33	60%	20%	20%	0%	66.20	22.07	22.07	0.00
346	150	7.76	7.49	15	112.28	60%	20%	20%	0%	67.37	22.46	22.46	0.00
347	165	7.79	7.78	15	116.63	60%	20%	20%	0%	69.98	23.33	23.33	0.00
348	180	7.69	7.74	15	116.10	60%	20%	20%	0%	69.66	23.22	23.22	0.00
349	195	7.10	7.40	15	110.93	60%	20%	20%	0%	66.56	22.19	22.19	0.00
350	210	7.40	7.25	15	108.75	60%	20%	20%	0%	65.25	21.75	21.75	0.00
351	225	7.08	7.24	15	108.60	60%	20%	20%	0%	65.16	21.72	21.72	0.00
352	240	7.00	7.04	15	105.60	60%	20%	20%	0%	63.36	21.12	21.12	0.00
353	255	6.65	6.83	15	102.38	60%	20%	20%	0%	61.43	20.48	20.48	0.00
354	270	6.25	6.45	15	96.75	60%	20%	20%	0%	58.05	19.35	19.35	0.00
355	285	6.20	6.23	15	93.38	60%	20%	20%	0%	56.03	18.68	18.68	0.00
356	300	5.76	5.98	15	89.70	60%	20%	20%	0%	53.82	17.94	17.94	0.00

91.10	80%	10%	10%	0%	6.14	19.33	19.33	0.00
93.11	80%	10%	10%	0%	6.05	18.63	18.63	0.00
95.88	60%	20%	20%	0%	6.58	18.53	18.53	0.00

Sl. No.	RDs	X-section	Mean area	L	Qty.	Classification				Qty.			
						PW	JW	SB	HB	PW	JW	SB	HB
357	315	5.21	5.49	15	82.28	60%	20%	20%	0%	49.37	16.46	16.46	0.00
358	330	5.19	5.20	15	78.00	60%	20%	20%	0%	46.80	15.60	15.60	0.00
359	345	7.81	6.50	15	97.50	60%	20%	20%	0%	58.50	19.50	19.50	0.00
360	355	5.77	6.79	10	67.90	60%	20%	20%	0%	40.74	13.58	13.58	0.00
Total					35443.48					21444.82	6975.70	7022.95	0.00


 Deputy Conservator of Forests
 Chopal Forest Division


 Executive Engineer,
 Chopal Division,
 HPPWD Chopal