

No.Ft.48-3971/2020 (FCA)
H.P.Forest Department.

From

Nodal Officer-cum-PCCF (FCA)
O/o Pr.CCF (HoFF), H.P. Shimla..

To

The Deputy Inspector General Forest,Sub Office,
Govt. of India, Ministry of Environment, Forest & Climate Change,
CGO Complex, Shivalik Khand, Longwood, Shimla,
Himachal Pradesh-171001. Dated Shimla-1, the

Subject: Diversion of 10.6019 ha of forest land in favour of HPPPWD for construction of Dharli to Balag road Km (0/00 to 18/900) within the jurisdiction of Suket Forest Division, Distt. Mandi, HP. (Online proposal no FP/HP/ROAD/139911/2021).

Sir,

Kindly refer to your letter FC/HPC/06/03/2025 dated 25.02.2025. on the subject cited above.

2. The pointwise reply to the observation as raised vide your above referred communication is submitted as below:-

1. The user agency has submitted that a narrow pedestrian path under reference was originally constructed unintentionally by the local inhabitants prior to the year 1980 for which the necessary affidavits are attached at Sr. 4 against the addl. Information detail column of Part-II. The user agency has submitted that this route has served as a traditional path for number of people and mules, providing essential access for the residents of Balag to Sundernagar, the primary nearby town offering critical facilities such as healthcare, markets, and educational services. This path was in existence before 1980 and has long been used by villagers for their moment. The path existed prior to 1980 and suffered weather-related damages. Therefore, to keep it accessible, villagers undertook gradual repairs and improvements after 1980 solely to ensure safe passage. These efforts were made without knowledge of FCA requirements or land classifications, serving only to preserve this essential route for the community's needs. To support the historical use, the necessity of this path, and unawareness of the legal status of the land, the affidavits from the locals affirming its long-standing presence and their dependence on it over the years were already conveyed.
2. User agency has submitted that this road has not been reported as a violation under the Forest (Conservation) Act 1980 before the Hon'ble High Court in the list of 2183 cases.
3. The user agency i.e. HPPPWD has duly examined all possible alternatives for the proposed project. After a comprehensive analysis, it has been found that there is no feasible non-forest land and operational available that can meet the technical, environmental, requirements of the project. The selection of the proposed site within forest land is thus inescapable due to the following reasons: Technical Suitability: The forest land identified is the only location that meets the required technical specifications such as gradient, connectivity, alignment, etc. Alignment Public Utility Constraints: The project is linear/non-linear in nature (as applicable) and must align with existing infrastructure or settlement, which necessitates passage through forest

land. Non-availability of Non-Forest Land: No suitable non-forest land available in the vicinity of the project area as verified by the revenue records and field visits. Minimum Forest Land Required: The proposal has been designed in such a manner so as to minimize forest land requirement to the barest minimum. Alternatives Explored: Alternative alignments/sites were explored and compared based on parameters such as number of trees affected, area involved, accessibility, and impact on environment. User agency has submitted that the detailed justification for locating the project have been uploaded in PARIVESH portal along with KML files.

4. The User Agency acknowledges the concerns related to slope stability and soil erosion in the proposed diversion area. Suitable mitigation measures are being incorporated to prevent accelerated soil erosion and landslide both during and after project execution. The proposed measures include:
 1. Structural Measures Construction of retaining walls/breast walls and toe walls at vulnerable stretches to stabilize the slope. Adoption of bench cutting instead of vertical cutting to maintain a safe slope gradient. Provision of gabion structures, check dams, and contour barriers where necessary.
 2. Drainage and Runoff Management Formation of well-designed catch drains, side drains, and cross drains to channelize runoff safely. Construction of cut-off drains above excavation zones to prevent surface water inflow. Ensuring proper outfall points to avoid water logging and scouring.
 3. Bio-engineering Measures Grass turfing, brush layering, hydro-seeding, and plantation of deep-rooted native shrubs and trees on exposed slopes. Adoption of vegetative barriers along the slope to minimize sheet erosion. Use of coir matting/jute netting for temporary surface stabilization during construction
 4. Construction phase Safeguards FC-MND-G006/37/2024-MISC.-FOREST CIRCLE MANDI I/765619/2026 Minimizing open excavation during monsoon periods. Storage of excavated material only at designated safe locations with retaining measures. Regular monitoring of slope behavior by field engineers.
 5. Post construction Restoration Immediate biological restoration of disturbed areas. Long-term monitoring and maintenance of drainage structures and slope stabilization measures. Further, as required, the Soil and Moisture Conservation Plan (SMC Plan) is being prepared in accordance with Para-1.22 (ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980, wherever applicable. The SMC Plan will include detailed site-specific measures, maps, cost estimates, and implementation timelines. The User Agency assures full compliance with all guidelines and will adopt all necessary measures to ensure environmental and slope stability throughout the project lifecycle. The Soil and Moisture Conservation Plan (SMC Plan) is attached herewith for ready reference.
5. Necessary certificate attached.
6. Revised CA Scheme is attached.
7. CA site suitability certificate is attached.
8. Revised NPV & penal NPV is attached.
9. User Agency has submitted that the proposed dumping site cannot be shifted to non-forest land because no suitable non-Forest land is available in the vicinity of the proposed road alignment. The terrain and land use pattern of the surrounding area do not provide any feasible alternative dumping location outside the forest land. A comprehensive survey of the adjoining area was conducted to explore the availability of suitable non forest for muck dumping. However, due to constraints such as steep terrain in, non availability of suitable private /government non forest land in proximity to the project site transportation limitations and environmental safety consideration no feasible non forest land could be identified for purpose. The

- proposed 0.809 ha forest land has been selected as the most technically viable and environmentally manageable option. Keeping in view slope stability minimum tree felling, safe retaining structure and proper drainage provisions. The muck dumping plan has been prepared with adequate mitigation measures including retaining walls, tow wall, garland drains, compaction and plantation over the stabilized dump site to prevent soil erosion and environmental degradation.
10. User agency has submitted that the dumping site has already been marked in the KML file and the same has been uploaded.
 11. The muck dumping plan duly signed by the DFO concerned is attached herewith and the same has been uploaded.
 12. User agency has submitted that the complete cost benefit analysis has been uploaded in Part-I as per the new NPV rates.
 13. The number of trees has now been reduced from 658 to 277 which is barest minimum and will be actually felled..
 14. The number of trees has been reduced from 658 to 277 after realignment in some pockets. This has resultantly reduced the number of ecological important trees, Ban from 125Nos to 75Nos and Rhododendron from 31Nos to 17Nos which is minimal now.
 15. The user agency has submitted plan, the undertaking to pay the additional NPV and the layout plan have been uploaded.
 16. The aerial distance corticated has already been upload under additional information..
 17. The road is reported as the violated road which has now been roughly aligned from end to end. As the case is proceeded by the user agency, the necessary preventive measures in the wildlife management plans could be adopted for scientifically managing the flora and fauna in the region. In light of this case, and taking into account the developmental needs and demands of the local people, as well as the conservation of biodiversity, an appropriate plan for wildlife protection can be formulated and implemented on the ground. Certificate of Divisional Forest Officer, WL Kullu already submitted.
 18. The User agency has submitted that DGPS map has been rectified. Further the latitude-longitude of the dumping site has now been indicated in the DGPS map PDF uploaded on PARIVESH portal.

Yours faithfully,

Signed by

Sanjay Sood

Date: 02-04-2026 16:54:39

Nodal Officer-cum-PCCF (FCA)

O/o Pr.CCF (HoFF), H.P. Shimla.

SCHEDULE-III

**CERTIFICATE OF NON-AVAILABILITY OF LAND FOR COMPENSATORY
AFFORESTATION IN THE STATE/UNION TERRITORY TO BE ISSUED BY THE
STATE GOVERNMENT//UNION TERRITORY ADMINISTRATION[See rule 13(4)]**

No...10378.....Dated... 19-09-2024.....

I, Ritika, Director Land Records, Government of Himachal Pradesh (Notified Nodal Officer to Issue such Certificate on behalf of the Hon'ble Chief Secretary Himachal Pradesh Vide Notification No.Rev- D (G)6 -1/2020- loose Dated 26/07/2024), do hereby certify that :-

- iii. Relevant records pertaining to non-forest land, revenue lands, *zudpi jungle, chhote jhar ka jungle, bade jhar ka jungle, jungle jhari land, civil-soyam* lands and all other such categories of forest lands (except the forest land under the management and administrative control of the Forest Department) on which the provisions of the Van (Sanrakshan Evam Samvardhan) Adhinyam, 1980 are applicable, available in each District of Himachal Pradesh have been examined; and
- iv. I have also conducted such further enquiry as is required to satisfy myself for issue of this certificate.

On the basis of examination of relevant records and such further enquiry, as was required for issue of this Certificate, I do hereby certify that non-forest land, revenue lands, *zudpi jungle, chhote jhar ka jungle, bade jhar ka jungle, jungle-jhari land, civil-soyam* lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of the Van (Sanrakshan Evam Samvardhan) Adhinyam, 1980 are applicable, which as per the extent guidelines of the Central Government may be utilized for creation of compensatory afforestation in lieu of forest land diverted for non-forest purpose, is not available in the entire Himachal Pradesh.

Issued under my hand and seal on this 19th, September, day of 2024



(Ritika) IAS
Director Land Record
Himachal Pradesh

Signature & Official Seal

CHECK LIST SERIAL NO. 17

SITE SPECIFIC CA SCHEME FOR COMPENSATORY AFFORESTATION

Scheme for Compensatory Afforestation and its maintenance for 10 years to be carried out in lieu of DIVERSION OF 10.6019 ha of Forest Land for the construction of Dharli to Balag Road Km 0/0 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi (H.P.) FP/HP/ROAD/49449/2020

Detail of degraded forest/Non forest land		DPF
District		Mandi.
Tehsil		Nihri
Name of Division		Suket
Area to be afforested		21.2038

Sr. No.	Name of Forest Range	Block/Beat	CA Patch-I	GPS Location	Total CA for Afforestation	Survey sheet No.
1	Kangoo	Batwara/Serikothi	DPF Lapper	N 31.399201 E 76.988515	21.2038	53A/15
			21.2038			

Description of area						
(i) Brief description	DPF Lapper 21.2038ha. area has been selected for compensatory afforestation in Serikothi Beat of Batwara Block of Kangoo Range under Suket Forest Division. The selected area is Demarcated protected Forest land having scattered vegetation which is suitable for the compensatory afforestation.					

(ii) Area Dimensions	The KML file file areas DPF Lapper 21.2038 ha has been uploaded in Part-II					
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(iii) Whether the site selected for CA is land bank or not	Yes.					
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(iv) If the CA site is other than land bank, reason be given	-					
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(v) In case of non forest area indentified for CA than what is the	-					
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(vi) Soil Type	Sandy loam					
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(vii) Topography a) Hilly/Universal/Plain	Hilly					
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(viii) b) Slope; steep/Medium/ Gentle	Medium					
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(ix) Whether the area is bearing any root stock of vegetation	Bushes, Grasses					
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(x) Aspect	South Western					
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(xi) Spps to be planted	Daru, Jamun, Ritha, Kachnar, & OBL					
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3	Plantation Model:- Copy of approved Compensatory					Attached.
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4	Schedule of Plantation Programme					
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Detail of year wise break up of requirement of funds is as under:-

Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing

Sr. No.	Particulars of works/Years	Plants/ha.	Approved Rate (Rs.)	10% hike every year of approved rated (in Rs.)	Total Amount after 10 % hike/ha.	G Total Amount
1	A-i) Survey, Demarcation, Fencing & Planting including cost of plants in Zero Year	1100 plants/ha	132298.7	13229.87	145528.57	3085758.693
2	1st Year	21.2038 ha.	12100	2420	14520	307879.176
3	2nd Year	21.2038 ha.	8200	2460	10660	226032.508
4	3rd Year	21.2038 ha.	4200	1680	5880	124678.344
5	4th Year	21.2038 ha.	4200	2100	6300	133583.94
6	5th Year	21.2038 ha.	4200	2520	6720	142489.536
7	6th Year	21.2038 ha.	4200	2940	7140	151395.132
8	7th Year	21.2038 ha.	4200	3360	7560	160300.728
9	8th Year	21.2038 ha.	4200	3780	7980	169206.324
10	9th Year	21.2038 ha.	4200	4200	8400	178111.92
11	10th Year	21.2038 ha.	4200	4620	8820	187017.516
					G. Total -A	4866453.817

A

12 Maintenance of Plantation						
Sr. No.	Maintenance	Area in Ha	Number of Plants for maint	Cost of OBL Plants	Total Cost of Plant (F)	
a	1st Year Maintenance (30% of total plants planted in 1st Year)	21.2038	6997	29	202913	
b	2nd Year Maintenance (20% of total no. of plants)	21.2038	4665	31	144615	
c	3rd Year Maintenance to 10 Year (10% of total number of plants in zero year) (Taking hike in plant cost in all years in 8 years)	21.2038	18659	70	1306130	
					G.Total =B	1653658

B

13 Carriage of Plants by Mechanical Means over a distance of 40 Km including loading/unloading (During zero year)						
Sr. No.		23324 plants	L/s Rates	30 Trips	L/s Rs 1500/Trip	45000
					G.Total =C	45000

C

14	Soil & Moisture Conservation Works									
D				Norm						Amount
a	Crate wire check dam	No.	5	50000				1	250000	250000
b	Dry stone check dam	No.	10	30000				1	300000	300000
c	Staggered contour trenches.									
	Preparation of trenches	ha.	21.2038	18330	9165				27495.00	582998
d	Preparation of fire line around the p. are 2.50 m wide in its periphery 2435 m length	sqm	6087.5					@5 per sqm + subsequent hikes in upcoming years	40	243500
e	Maintenance of Fire line in upcoming years	Sqm	6087.5					@0.65 per sqm + subsequent hikes in upcoming years	5.2	284895
f	Fire prevention measures like cutting of grass if not collected by the locals and removing every inflammable material from the area to prevent the fire incident	Every year till maintenance work of the area		Taking also the surrounding area to the selected CA site about 20 ha				@183.95 per ha. + subsequent hikes in upcoming years	1471.6	529776
g	Watering of plants during lean season to ensure survival of plants	L/s Cost of maint. Years						Taking tanker charges L/s for upcoming years taking 80000 per year cost including labour cost.		720000
h	Cost of vermi compost, Carriage and application in pit including new and maint pits	Kg	10742	15				9.765		161130
D									G. Total -D	3072299
E									Grand Total A+B+C+D	9637411
F									Contingence 5% over the C.A. Scheme	481871
									Total (A+B+C+D+E+F)	10119282
G									Departmental charges @ 17.5%	1770874
									Total amount (A+B+C+D+E+F+G)	11890156
									Total Amount of CA Scheme	11890156

One Crore Eighteen Lakh Ninty Thousand One Hundred Fifty Six Only

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and	Remarks
b.	Spacement	3mx3m	
c.	Size for Tall Plant	Minimum height 1.20 m, Collar Dia. Minimum 1.5 cm of 2.5 years age raised in P.Bag	
	Size for Normal Plant	Minimum height 90 cm of 1.5 years raised in P.Bag	
d.	Species		
	Plants	Shisham, Amla, Kachnar, Beul, Harad, Bheda, Jamun, Aam, Drek, Kafal, Chuli, Simbal, Daroo,	
	Bio-Engineering species	Vitex, Agave, Duranta, Vetevaria etc	
e.	Plantation method	Pit digging.	
f.	Soil & moisture conservation works;	Work shall be carried out as proposed.	
g.	Protection	Fencing & people participation.	
h.	Proposed Monitoring Mechanism	As per guidelines and monitoring system of the department.	
i.	Any other information	Nil.	

Deputy Conservator of Forests
Suket Forest Division
Sundernagar Dist. Mandi (H.P.)

Full Title of the Project: Diversion of 10.6019 ha. of forest land in favour of HPPWD for construction of Dharli to Balag Road Km 0/00 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi, HP

File No. : (Online-Proposal No. FP/HP/Road/49449/2020).

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY (CA) CERTIFICATE BY THE DFO

This is to certify that 21.2038 hac land bearing Survey No. 53A/15 in DPF Lapper , Serikothi Beat, Batwara Block, Kangoo Forest Range falling under the jurisdiction of Suket Forest Division identified for Compensatory Afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachments.

Place: Sundernagar
Date: 16/12/2025

(Deputy Conservator of Forests)
Suket Forest Division
Sundernagar. Deputy Conservator of Forests
Office Seal Suket Forest Division
Sundernagar Distt. Mandi (H.P.)

Suket Forest Division

NET PREST VALUE FOR THE DIVERSION OF 10.6019 ha of Forest Land for the construction of Dharli to Balag Road Km 0/0 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi (H.P.) FP/HP/ROAD/49449/2020

Sr No.	Name of Scheme	Forest Land proposed to be diverted (in ha)	Eco-Value class and Density	Rate of NPV revised by MoFF & CC orders date 06.01.2022	Amount involved
1	Diversion of 10.6019 ha of Forest Land for the construction of Dharli to Balag Road Km 0/0 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi (H.P.) FP/HP/ROAD/49449/2020	10.6019	Eco-Value Class-V Density= 0.10 Open Forest	1005210	10657136

Deputy Conservator of Forests,
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)
Sundernagar Distt. Mandi (H.P.)

Suket Forest Division

PENAL NET PREST VALUE FOR THE DIVERSION OF 10.6019 ha of Forest Land for the construction of Dharli to Balag Road Km 0/0 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi (H.P.) FP/HP/ROAD/49449/2020

Sr No.	Name of Scheme	Forest Land proposed to be diverted (in ha)	Eco-Value class and Density	Rate of NPV	Amount
1	Penal NPV of 0.6840 ha. for ECO class V	0.684	Eco-Value Class-V Density= 0.10 Open Forest	1005210	687563.64
2	Note: Whereas as per direction issued by the Govt. to be calculated as forest land per hectare for each year of violation from the date of acutal diversio nas reported by the reinpecting officer with maximum up to five (5) time NPV plus 12% simple interest till the deposites is made. (A)	0.684	5 Years	1005210	3437818.2
3	12% Simple interest on Rs 3437818 for 3 years (B)				1237614.552
4	A+B				4675432.752
5	In case public utility project of the Govt the penalty shall be 20% of the penalty proposed in the above para				935086.5504
Total Penal NPV					935087

Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)
Sundernagar Distt. Mandi (H.I)

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

DETAIL OF MUCK/DEBRIS TO BE PRODUCED

Name Of Work:- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900. TO BE CONSTRUCTED IN DISTRICT MANDI STATE HIMACHAL PRADESH.

Detail of quantity to be produced and used during the construction of road

Sr. No.	Description of items	Quantity
	Total quantity to be produced during construction	161028.00
1	To be used for soling of road (6.5%), wearig of road (6.5%) and filling behind retaining walls of road (20%) total (33%)	53139
2	To be used for local use for construction of road average (total 33%)	53139
3	Total Quantity to used (2+3)	106278
5	Net quantity to be dumped (3-(1+2))	54750.00
6	Soil factor 40%	21900
	G-Total (4+5):-	76650.00

qr
Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)

Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar

PROFORMA-III (REFER ITEM-8)

STATEMENT SHOWING DUMPING QUANTITY OF MUCK/DEBRIS TO BE DUMPED WITH OTHER DETAIL FOR PROJECT CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900. IN DISTRICT MANDI

Sr. No.	Name of component from Muck/Debris is to be produced	Total Qty. of Muck/Debris to be produced (000M3) (in Cum)	Qty. of Muck/Debris to be utilized locally (000M3) (in Cum)	Qty. of Muck/Debris to be Dumped on compact basis (000M3) (in Cum)	Factor of increase in Vol. for Dumping (in Cum)	Qty. of Muck/Debris to be Dumped on basis of increase (000M3) (in Cum)	Name of dumping places	Slop of dumping place	Location of Dumping place, Police Station & Nearby road	Distance of dumping place from river (In KMS)	Area of dumping place with Length and Breadth (In hect)	Area of forest land out of land in Column-10 (In hect)	Height of Muck/Debris dump expected (Vol. Area) (in mtrs.)	Remarks
1	2	3	4	5	6	7	8	14	10	11	12	13	14	15
			66% =	34% =										
1	Formation cutting work	161028.00	106278.00	54750.00	1.40	76650.00	Dharli. RopaBandl a ,Salag, DPF Bunga	1H : 3V			0.8090	10.6019	7.98	

C/S

Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P)

Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar

PERFORMA-V

STATEMENT SHOWING DETAIL OF PLACES FOR DISPOSAL OF MUCK/DEBRIS OF CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900. TO BE CONSTRUCTED IN DISTRICT MANDI STATE HIMACHAL PRADESH.

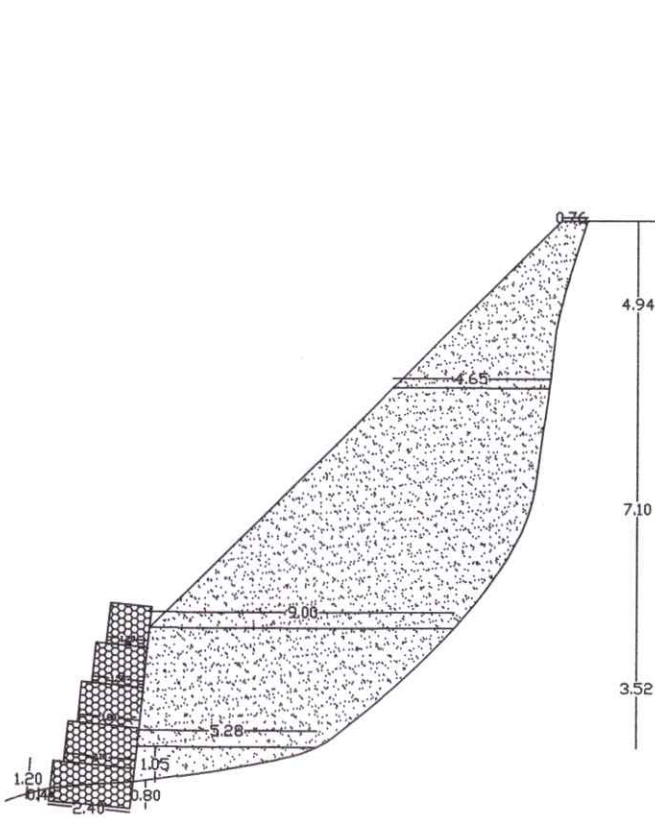
Sr. No.	Name of dumping places	Location of Dumping place i.e. village Kharsa No.	Slope of dumping place	Length and width (in mtrs.) and Area of Dumping place (in sqm.)	Quantity of muck/Debris to be dumped [in 1000 cum]	Height of dumping expected.	Remarks (Area in bigha)
1	1st Dumping Place : Dharli	RD 0/00 to 4/630 Khasra No.274/252/5	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
2	2nd Dumping Place :Dharli	RD 0/00 to 4/630 Khasra No.245/3	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
3	3rd Dumping Place : Dharli	RD 4/665 to 8/305 Khasra No.271/2	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
4	4rth Dumping Place :Ropabandla	RD 8/305 to 8/475 Khasra No.77/3	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
5	5th Dumping Place : Ropabandla	RD 9/745 to 9/995 Khasra No.218/4	1:7	40.5 x 20 = 810 Sqm	4860.00	6.00	0.081
6	6th Dumping Place :Ropabandla	RD 10/065 to 10/575 Khasra No.935/404/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
7	7th Dumping Place : Ropabandla	RD 10/995 to 11/895 Khasra No.676/3	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
8	8th Dumping Place :Ropabandla	RD 12/113 to 11/880 Khasra No.577/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
9	9th Dumping Place : Salag	RD 12/880 to 13/870 Khasra No.693/34/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
10	10th Dumping Place :DPF Bunga	RD 15/595 to 18/025 Khasra No.12/2	1:7	40.4 x 20 = 808 Sqm	4848.00	6.00	0.0808
			Total:-	8090	48540.00		0.809

Say 0.8090 Hect.

C/o
Deputy Conservator of Forests,
Suket Forest Division,
Sundernagar Distt. Mandi (H.P.)

Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-1)



BARKHI WORK-
0.40) 0.80) X 2.40-1.44 sqm

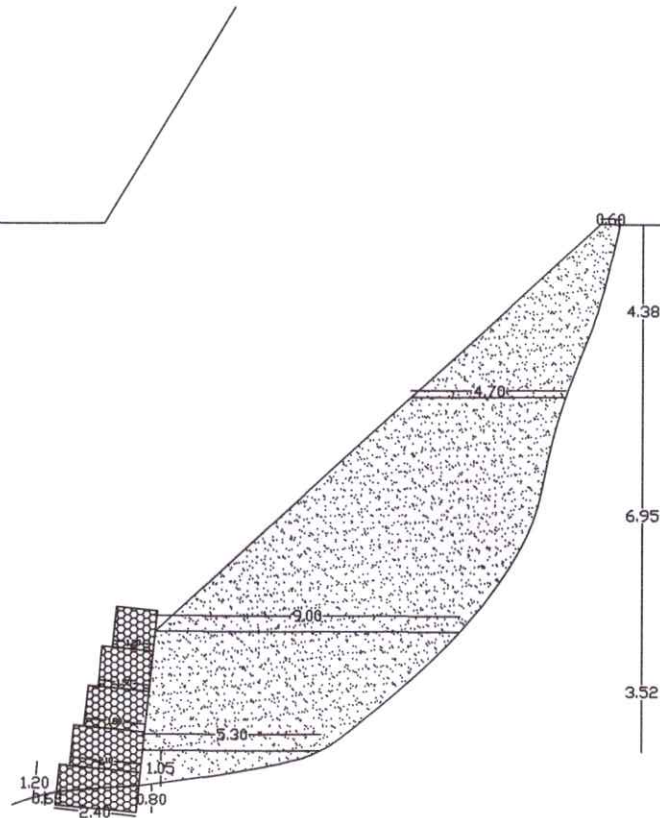
DUMPING AREA:-

- 1):- $5.28 \times 1.05 = 2.77$
- 2):- $(5.28 + 9.00) / 2 \times 3.52 = 25.13$
- 3):- $(9.00 + 4.65) / 2 \times 7.10 = 48.46$
- 4):- $(4.65 + 0.76) / 2 \times 4.94 = 13.36$

TOTAL = 89.72 SQM

AVG. AREA:-

$(89.72 + 87.16) / 2 = 88.44 \text{sqm}$



BARKHI WORK-
0.80) 0.80) X 2.40-1.92sqm

DUMPING AREA:-

- 1):- $5.30 \times 1.05 = 2.78$
- 2):- $(5.30 + 9.00) / 2 \times 3.52 = 25.17$
- 3):- $(9.00 + 4.70) / 2 \times 6.95 = 47.60$
- 4):- $(4.70 + 0.60) / 2 \times 4.38 = 11.61$

TOTAL = 87.16 SQM

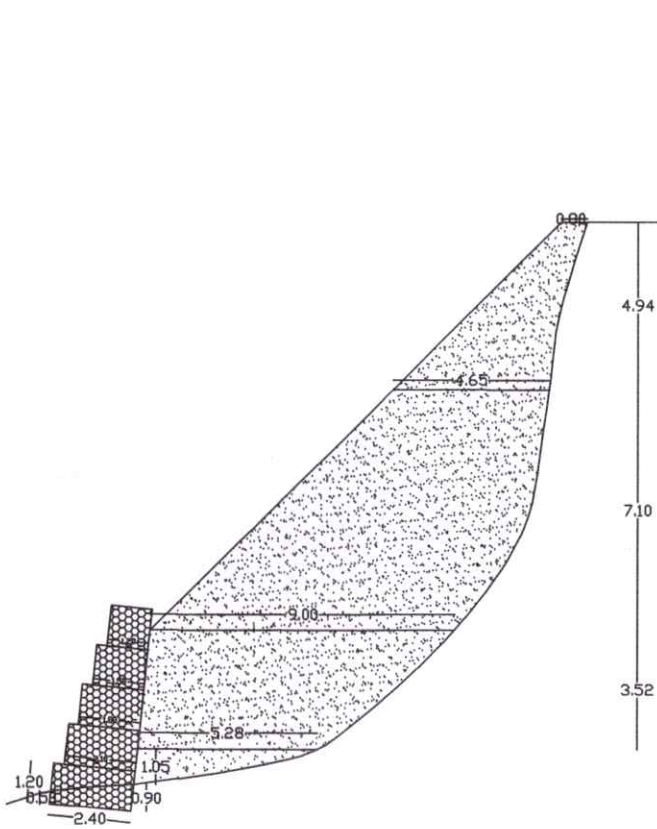
TOTAL CAPACITY OF 1ST

DUMPING SITE:-
= $88.44 \times 55.00 = 4864 \text{ CUM}$

S/S
Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)

[Signature]
Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar
[Signature]

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-2)



BARKH WOOD:-
0.80/ 0.80/8 X 2.40-1.58 sqm

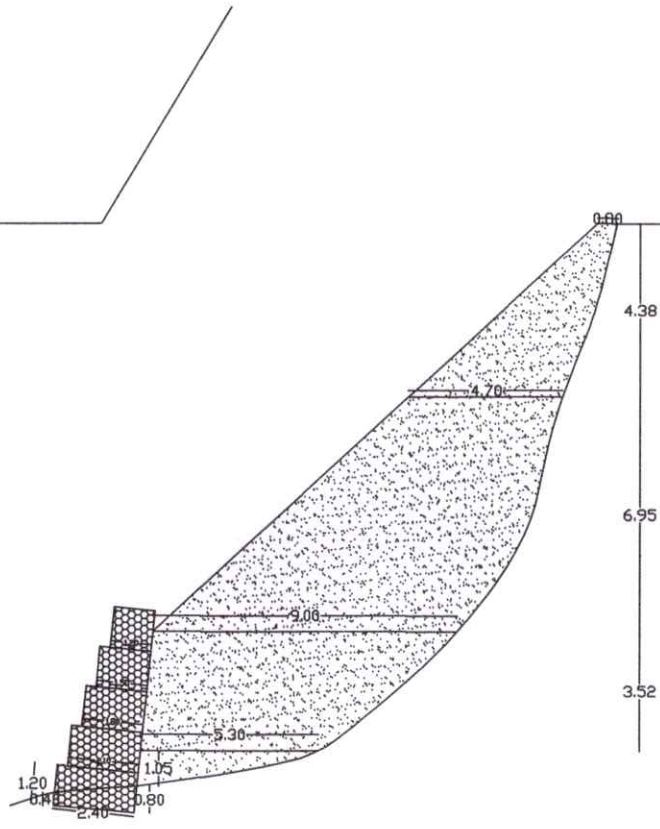
DUMPING AREA:-

- 1):- $5.28 \times 1.05 = 2.77$
- 2):- $(5.28 + 9.00) / 2 \times 3.52 = 25.13$
- 3):- $(9.00 + 4.65) / 2 \times 7.10 = 48.46$
- 4):- $(4.65 + 0.80) / 2 \times 4.94 = 13.49$

TOTAL = 89.85 SQM

AVG.AREA:-

$(89.85 + 87.59) / 2 = 87.72 \text{sqm}$



BARKH WOOD:-
0.80/ 0.80/8 X 2.40-1.44sqm

DUMPING AREA:-

- 1):- $5.30 \times 1.05 = 2.78$
- 2):- $(5.30 + 9.00) / 2 \times 3.52 = 25.17$
- 3):- $(9.00 + 4.70) / 2 \times 6.95 = 47.60$
- 4):- $(4.70 + 0.80) / 2 \times 4.38 = 12.04$

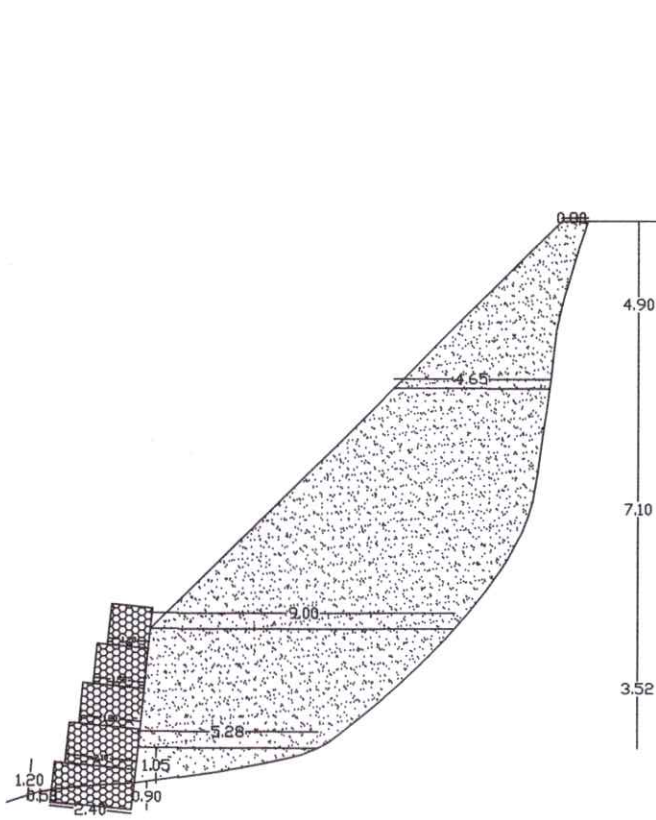
TOTAL = 87.59 SQM

TOTAL CAPACITY OF 2nd
DUMPING SITE:-
= 88.72 X 55.00 = 4880 CUM

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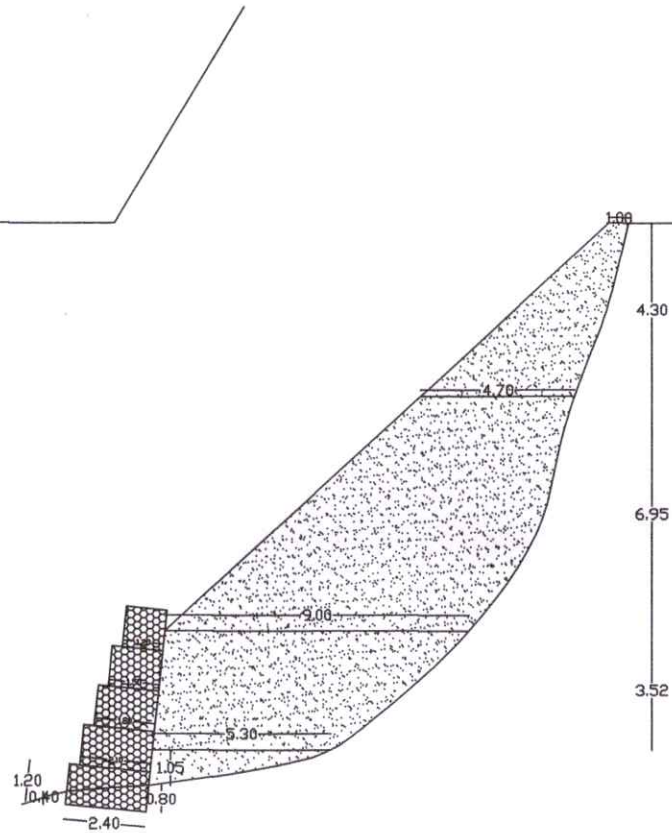
NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-3)



BARTH WOOD-
0.80' 0.90' X 2.40'-1.88 sqm

DUMPING AREA:-
1):- $\frac{1}{2} \times 5.28 \times 1.05 = 2.77$
2):- $\frac{1}{2} \times (5.28 + 9.00) \times 3.52 = 25.13$
3):- $\frac{1}{2} \times (9.00 + 4.65) \times 7.10 = 48.46$
4):- $\frac{1}{2} \times (4.65 + 0.80) \times 4.90 = 14.02$
TOTAL = 90.45 SQM

AVG.AREA:-
 $(90.45 + 87.37) / 2 = 88.91 \text{sqm}$



BARTH WOOD-
0.60' 0.80' X 2.40'-1.44sqm

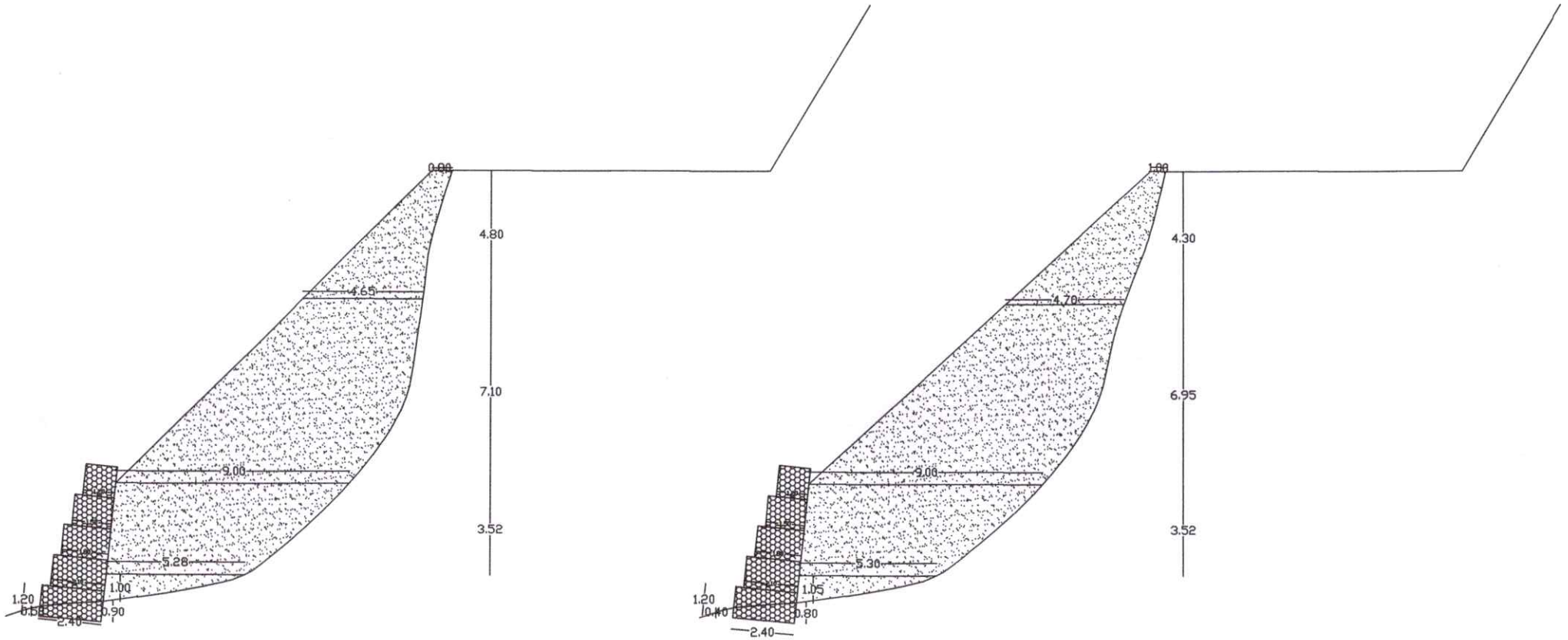
DUMPING AREA:-
1):- $\frac{1}{2} \times 5.30 \times 1.05 = 2.78$
2):- $\frac{1}{2} \times (5.30 + 9.00) \times 3.52 = 25.17$
3):- $\frac{1}{2} \times (9.00 + 4.70) \times 6.95 = 47.80$
4):- $\frac{1}{2} \times (4.70 + 0.80) \times 4.30 = 11.82$
TOTAL = 87.37 SQM

TOTAL CAPACITY OF 3rd.
DUMPING SITE:-
 $= 88.91 \times 55.00 = 4890 \text{ CUM}$

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Suket Forest Division
Sundernagar Dist. Mandi (H.P.)

[Signature]
Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-4)



BARUTI WORK:-
0.88/ 0.80/9 X 2.40-1.88 sqm

BARUTI WORK:-
0.80/ 0.80/9 X 2.40-1.44sqm

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.28 \times 1.00 = 2.64$
 - 2):- $\frac{1}{2} \times (5.28 + 9.00) \times 3.52 = 25.13$
 - 3):- $\frac{1}{2} \times (9.00 + 4.65) \times 7.10 = 48.46$
 - 4):- $\frac{1}{2} \times (4.65 + 0.80) \times 4.80 = 13.08$
- TOTAL = 89.31 SQM.

AVG. AREA:-
 $(89.31 + 87.37) / 2 = 88.34 \text{ sqm}$

DUMPING AREA:-

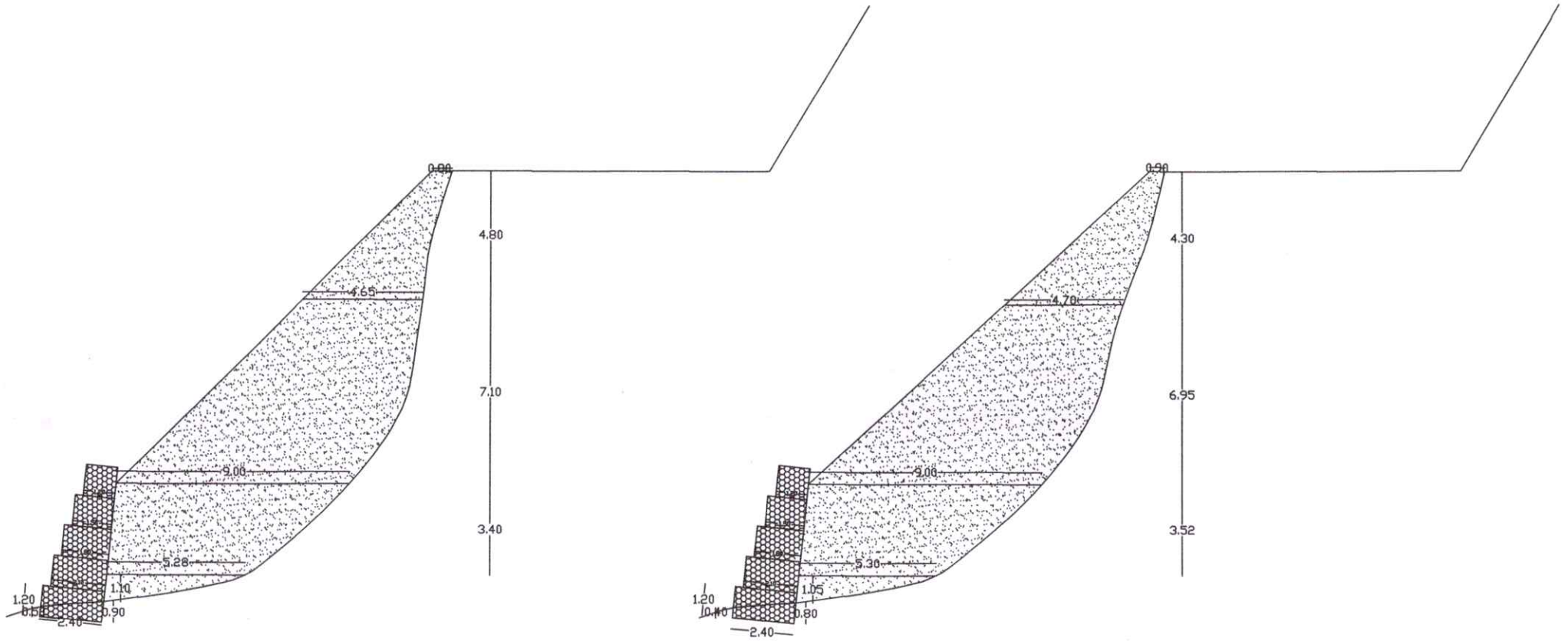
- 1):- $\frac{1}{2} \times 5.30 \times 1.05 = 2.78$
 - 2):- $\frac{1}{2} \times (5.30 + 9.00) \times 3.52 = 25.17$
 - 3):- $\frac{1}{2} \times (9.00 + 4.70) \times 6.95 = 47.80$
 - 4):- $\frac{1}{2} \times (4.70 + 0.80) \times 4.30 = 11.82$
- TOTAL = 87.37 SQM.

TOTAL CAPACITY OF 4th.
DUMPING SITE:-
= $88.34 \times 55.00 = 4859 \text{ CUM}$

9/1
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Suket Forest Division
Sundernagar Distt. Mandi (H.P.)

Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-5)



SARTH WOOD-
0.80/ 0.80/8 X 2.40-1.88 sqm

SARTH WOOD-
0.40/ 0.80/8 X 2.40-1.44sqm

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.28 \times 1.10 = 2.90$
- 2):- $\frac{1}{2} \times (5.28 + 9.00) \times 3.40 = 24.28$
- 3):- $\frac{1}{2} \times (9.00 + 4.65) \times 7.10 = 48.46$
- 4):- $\frac{1}{2} \times (4.65 + 0.80) \times 4.80 = 13.08$

TOTAL = 88.72 SQM

AVG.AREA:-

$$\frac{(88.72 + 87.59)}{2} = 88.15 \text{sqm}$$

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.80 \times 1.05 = 2.78$
- 2):- $\frac{1}{2} \times (5.80 + 9.00) \times 3.52 = 25.17$
- 3):- $\frac{1}{2} \times (9.00 + 4.70) \times 6.95 = 47.60$
- 4):- $\frac{1}{2} \times (4.70 + 0.90) \times 4.30 = 12.04$

TOTAL = 87.59 SQM

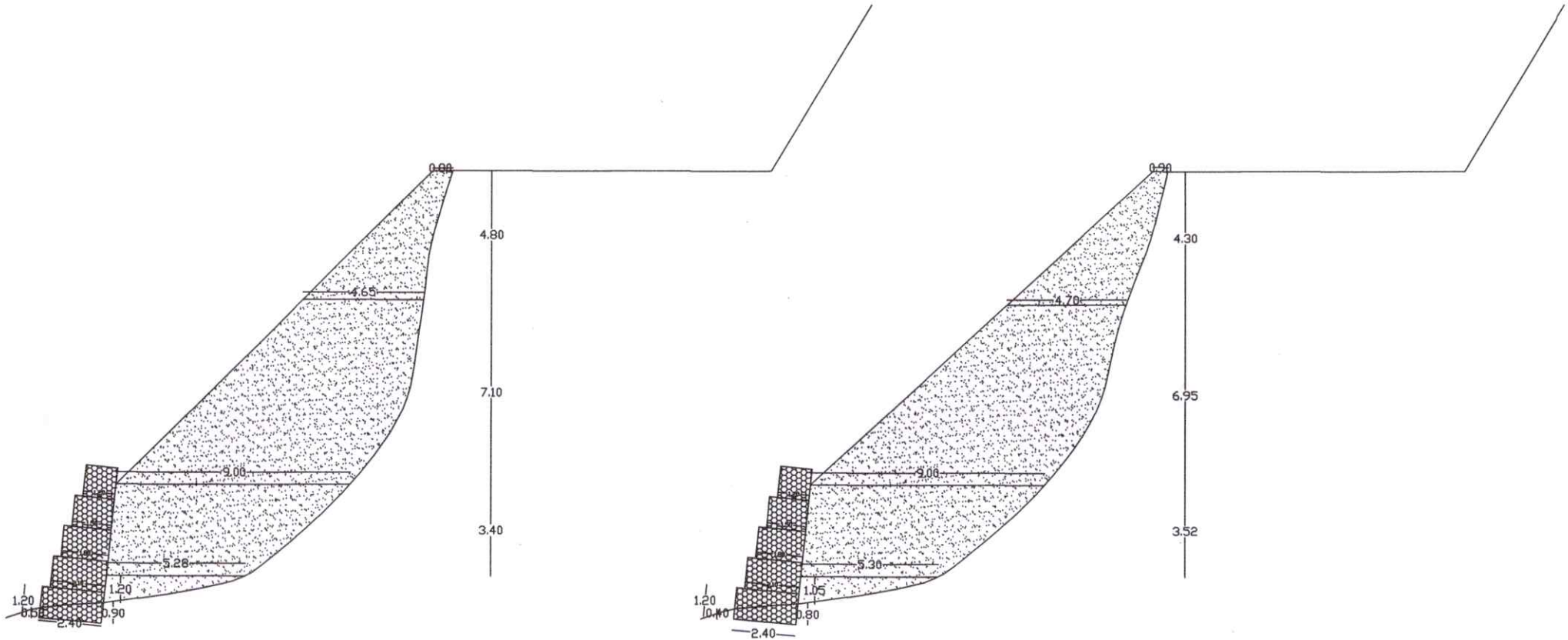
TOTAL CAPACITY OF 6th.

DUMPING SITE:-
= 88.15 X 55.00 = 4848 CUM

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Sundernagar Distt. Mandi (H.P.)

Executive Engineer,
Sundernagar Division
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NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-6)



BARTH WOOD-
0.80: 0.80 X 2.40-1.88 sqm

BARTH WOOD-
0.40: 0.80 X 2.40-1.44sqm

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.28 \times 1.20 = 3.17$
- 2):- $\frac{1}{2} \times (5.28 + 9.00) \times 3.40 = 24.28$
- 3):- $\frac{1}{2} \times (9.00 + 4.65) \times 7.10 = 48.46$
- 4):- $\frac{1}{2} \times (4.65 + 0.80) \times 4.80 = 13.08$

TOTAL = 88.99 SQM

AVG. AREA:-

$(88.99 + 87.59) / 2 = 88.29 \text{sqm}$

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.30 \times 1.05 = 2.78$
- 2):- $\frac{1}{2} \times (5.30 + 9.00) \times 3.52 = 25.17$
- 3):- $\frac{1}{2} \times (9.00 + 4.70) \times 6.95 = 47.60$
- 4):- $\frac{1}{2} \times (4.70 + 0.80) \times 4.30 = 12.04$

TOTAL = 87.59 SQM

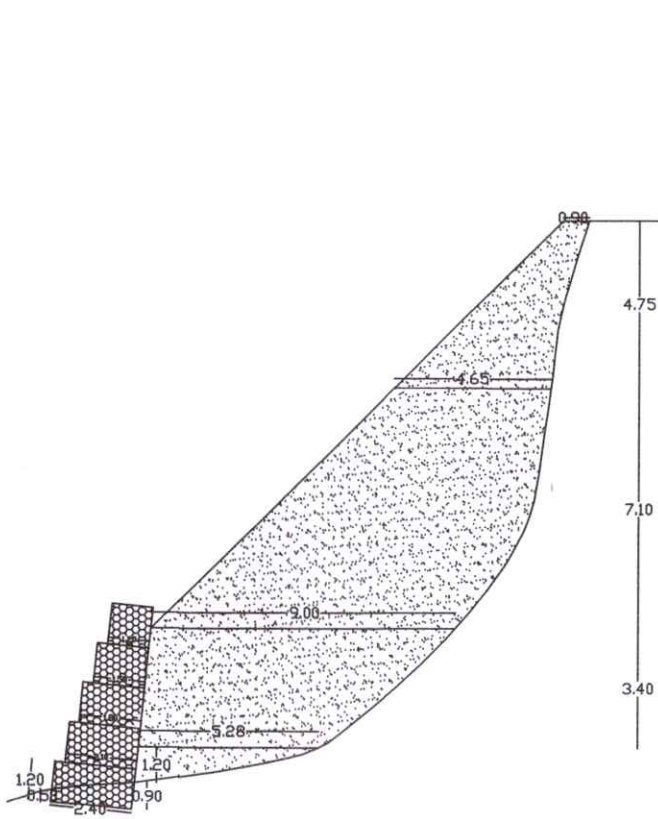
TOTAL CAPACITY OF 6th.

DUMPING SITE:-
= $88.29 \times 55.00 = 4856 \text{ CUM}$

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Suket Forest Division,
Sundernagar Distt. Mandi (H.P.)

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Executive Engineer,
Sundernagar Division,
HPPWD, Sundernagar

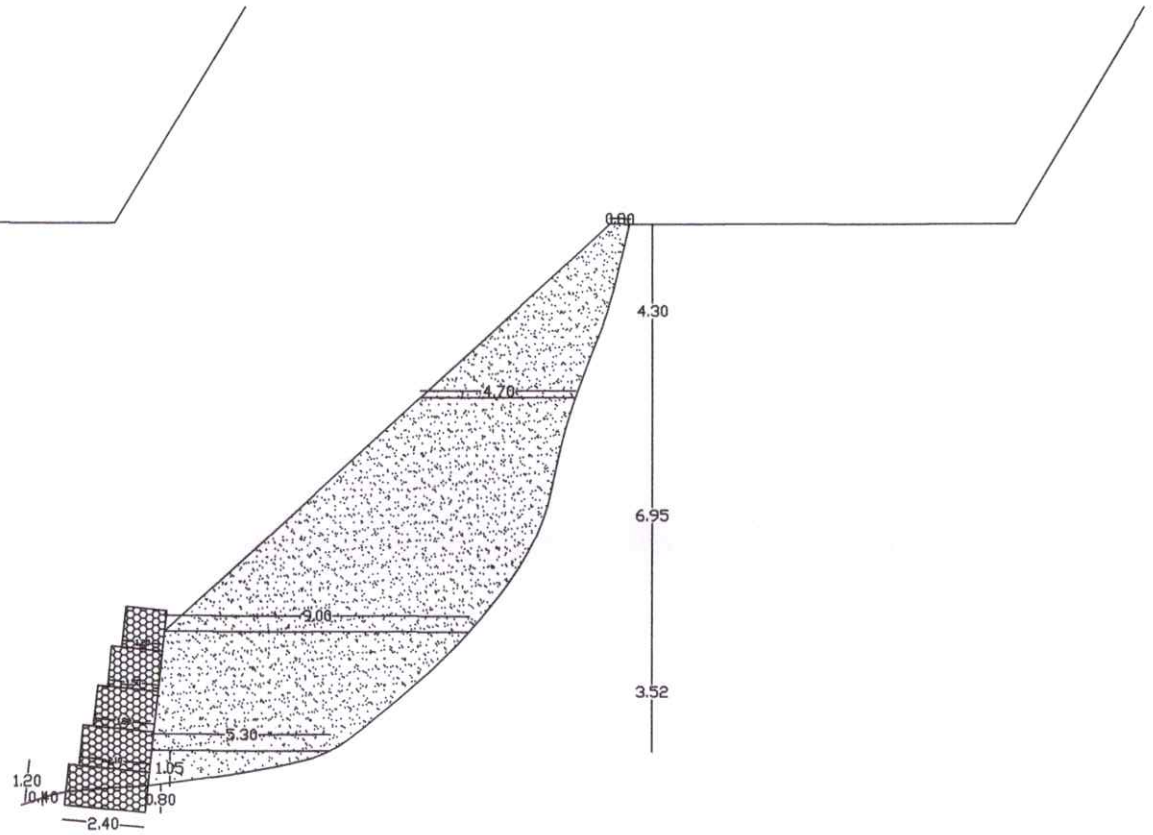
NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-7)



BARTH WORK:-
0.80/ 0.80/2 X 2.40=1.85 sqm

DUMPING AREA:-
1):- $\frac{1}{2} \times 5.28 \times 1.20 = 3.17$
2):- $\frac{1}{2} \times (5.28 + 9.00) / 2 \times 3.40 = 24.28$
3):- $\frac{1}{2} \times (9.00 + 4.65) / 2 \times 7.10 = 48.46$
4):- $\frac{1}{2} \times (4.65 + 0.90) / 2 \times 4.75 = 13.18$
TOTAL = 89.09 SQM

AVG.AREA:-
 $(89.09 + 87.37) / 2 = 88.23 \text{sqm}$



BARTH WORK:-
0.80/ 0.80/2 X 2.40=1.44sqm

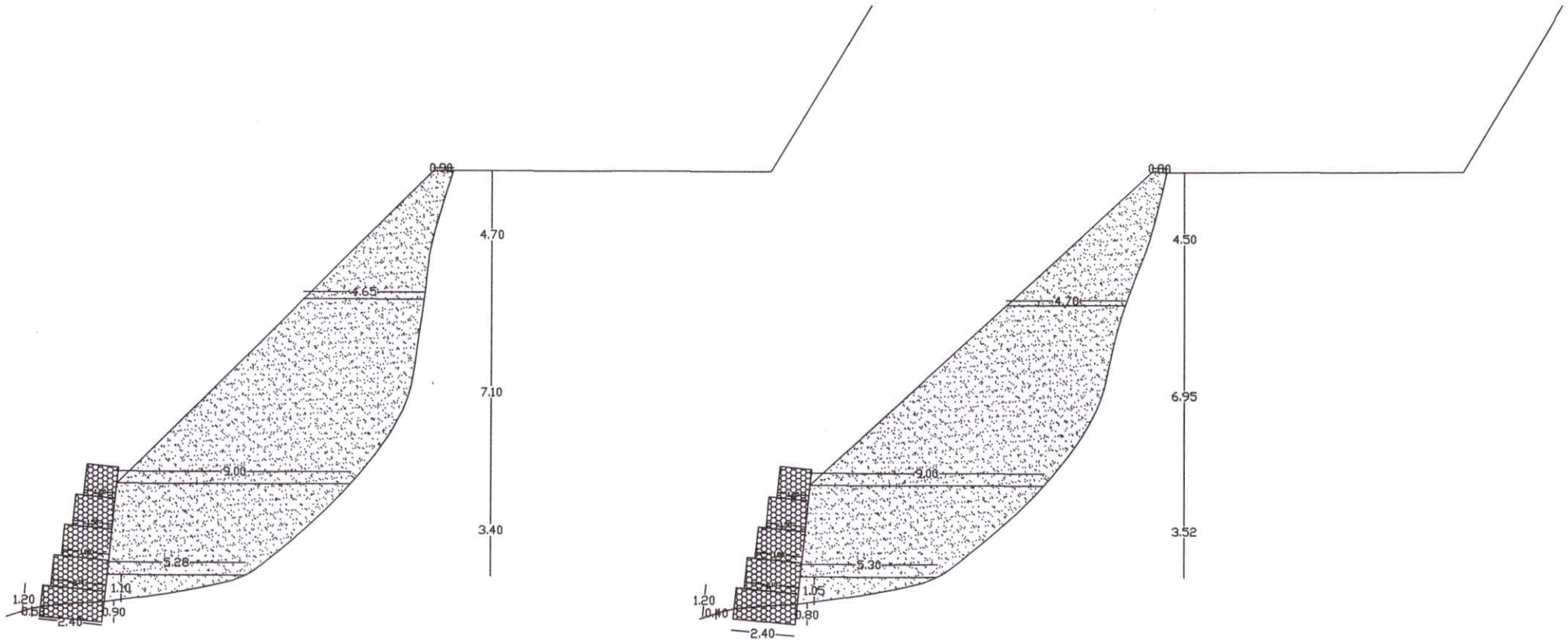
DUMPING AREA:-
1):- $\frac{1}{2} \times 5.30 \times 1.05 = 2.78$
2):- $\frac{1}{2} \times (5.30 + 9.00) / 2 \times 3.52 = 25.17$
3):- $\frac{1}{2} \times (9.00 + 4.70) / 2 \times 6.95 = 47.60$
4):- $\frac{1}{2} \times (4.70 + 0.80) / 2 \times 4.30 = 11.82$
TOTAL = 87.37 SQM

TOTAL CAPACITY OF 7th.
DUMPING SITE:-
 $= 88.23 \times 55.00 = 4853 \text{ CUM}$

95
Deputy Commissioner of Forests,
Suket Forest Division,
Sundernagar, Distt. Mandi (H.P.)

[Signature]
Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-8)



BARKH WOOD-
0.50' 0.80' X 2.40'-1.50 sqm

BARKH WOOD-
0.40' 0.80' X 2.40'-1.44sqm

DUMPING AREA:-

- 1):- $5.28 \times 1.10 = 2.90$
- 2):- $(5.28 + 9.00) / 2 \times 1.10 = 24.28$
- 3):- $(9.00 + 4.65) / 2 \times 1.10 = 48.46$
- 4):- $(4.65 + 0.90) / 2 \times 1.10 = 13.04$

TOTAL = 88.68 SQM

AVG.AREA:-

$(88.68 + 87.92) / 2 = 88.30 \text{sqm}$

DUMPING AREA:-

- 1):- $5.30 \times 1.05 = 2.78$
- 2):- $(5.30 + 9.00) / 2 \times 1.05 = 25.17$
- 3):- $(9.00 + 4.70) / 2 \times 1.05 = 47.60$
- 4):- $(4.70 + 0.80) / 2 \times 1.05 = 12.57$

TOTAL = 87.92 SQM

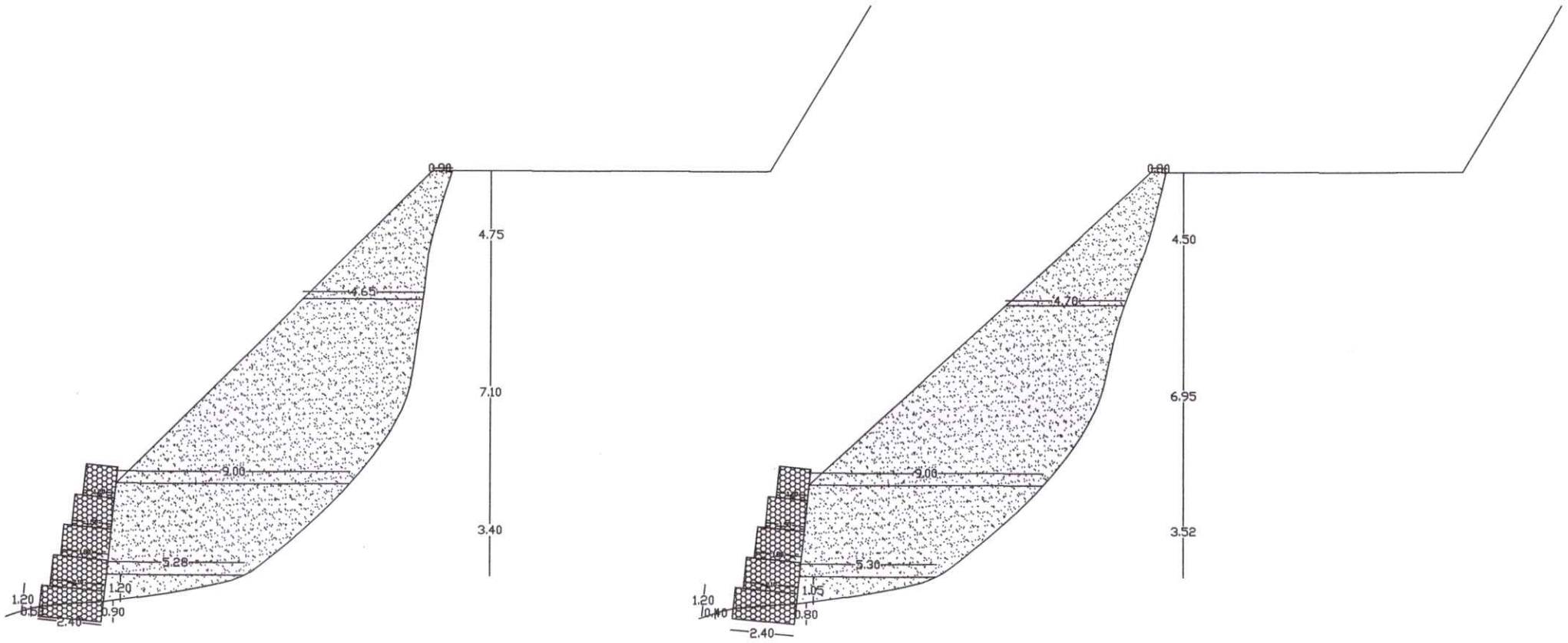
TOTAL CAPACITY OF 8th.

DUMPING SITE:-
 $88.30 \times 55.00 = 4856 \text{ CUM}$

Deputy Comm. Forests
Suket Forest Division
Sundernagar Dist. Mondli (H.P.)

Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-9)



BARKHI WORK-
0.80/ 0.80/9 X 2.40-1.50 sqm

BARKHI WORK-
0.80/ 0.80/9 X 2.40-1.44sqm

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.28 \times 1.20 = 3.17$
- 2):- $\frac{1}{2} \times (5.28 + 9.00) \times 2 \times 3.40 = 24.28$
- 3):- $\frac{1}{2} \times (9.00 + 4.65) \times 2 \times 7.10 = 48.46$
- 4):- $\frac{1}{2} \times (4.65 + 0.90) \times 2 \times 4.75 = 13.18$

TOTAL = 89.09 SQM

AVG.AREA:-

$(89.09 + 87.92) / 2 = 88.50 \text{ sqm}$

DUMPING AREA:-

- 1):- $\frac{1}{2} \times 5.30 \times 1.05 = 2.78$
- 2):- $\frac{1}{2} \times (5.30 + 9.00) \times 2 \times 3.52 = 25.17$
- 3):- $\frac{1}{2} \times (9.00 + 4.70) \times 2 \times 6.95 = 47.60$
- 4):- $\frac{1}{2} \times (4.70 + 0.80) \times 2 \times 4.50 = 12.87$

TOTAL = 87.92 SQM

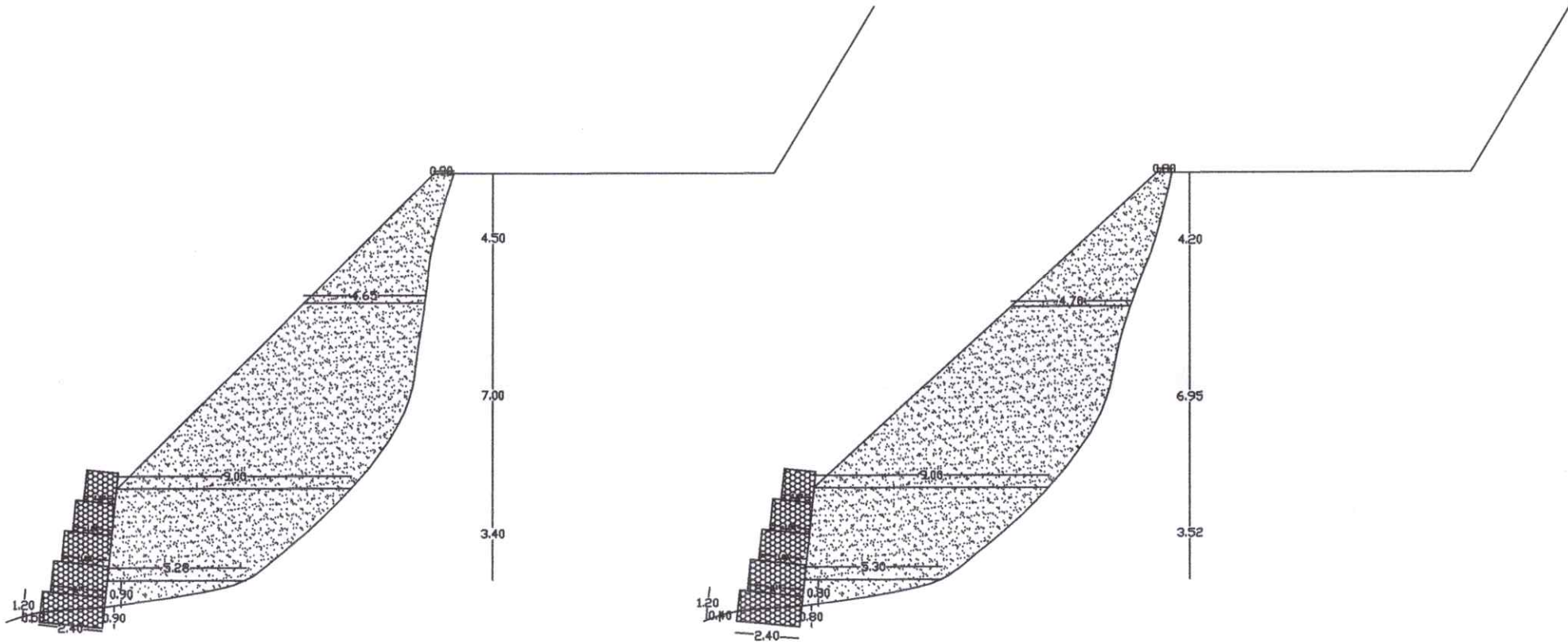
TOTAL CAPACITY OF 9th.

DUMPING SITE:-
 $= 88.50 \times 55.00 = 4868 \text{ CUM}$

ef
Deputy Engineer, Forests
Suket Forest Division
Sundernagar, Mandi (H.P.)

Executive Engineer,
Sundernagar Division
HPPWD, Sundernagar

NAME OF WORK:-C/O DHARLI TO BALAG ROAD KM 0/000 TO 18/900 (SH:-DUMPING AREA-10)



MARKET WORD:-
0.60% GR/S X 2.40-1.80 sqm

DUMPING AREA:-
1):- $5.26 \times 0.90 = 2.28$
2):- $(5.28 + 9.00) / 2 \times 3.40 = 24.28$
3):- $(9.00 + 4.65) / 2 \times 7.00 = 47.77$
4):- $(4.65 + 0.90) / 2 \times 4.50 = 12.48$
TOTAL = 86.82 SQM

AVG.AREA:-
 $(86.82 + 86.44) / 2 = 86.68$ sqm

MARKET WORD:-
0.60% GR/S X 2.40-1.80 sqm

DUMPING AREA:-
1):- $5.30 \times 0.90 = 2.12$
2):- $(5.30 + 9.00) / 2 \times 3.52 = 25.17$
3):- $(9.00 + 4.70) / 2 \times 6.95 = 47.80$
4):- $(4.70 + 0.90) / 2 \times 4.20 = 11.55$
TOTAL = 86.64 SQM

TOTAL CAPACITY OF 10th
DUMPING SITE:-
 $= 86.68 \times 85.00 = 4786$ CUM

Executive Engineer,
Sundernagar Division
HPPWD. Sundernagar

C/S
Deputy Commissioner of Forests,
Suket Forest Division
Sundernagar, Dist. Mandi (H.P.)

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.


File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Financial Components For The Material Required To Be Filled To The Recognised Dumping Sites.

Carriage of excavated material required hauling for dumping at the proposed site.	Net Quantity to lift Cum.	Rate of cattiage Cum.	Amount.
1 Average lead = 2 Km.	137535.3	15.87	2182685.21
2 Unit cost of carriage Rs. Per cum.			
3 Rate of carriage = Average lead x Unit cost			
C/O Retaining structure for dumping sites (Dumping site cost appended)	Sr. No.	Dumping site No.	Amount.
	1	10	1245640.00
		Total -	1245640.00
	Total Cost of Dumping the muck (1+2) (Rs.)		3428325.21


Deputy Conservator of Forests
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Sundernagar Distt. Mandi (H.P.)


Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.


File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Consumption of Material
SH: Construction of Dumping Sites

Sr. no	Description of item	Qty.	Unit	Unit Special Gelatine 80%		Electric Detonator		S.F Coil	
				Rate	Qty.	Rate	Qty.	Rate	Qty.
	Formation cutting								
	Cutting in Earth work								
I	Pick work	32323.7	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
II	Jumper work	35470	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
II	Blasting work	11061.6	P/Cum	0.00	0.00	0.00	0.00	0.00	0.00
IV	Hard Rock	11061.6	P/Cum	10.00	110616	1.38	15265.01	0.00	0.00
			Total		110616.00		15265.01		0.00


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Sundernagar Distt. Mandi (H.P.)


Executive Engineer,
Sunder Nagar Division
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FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Consumption of Material
SH: Construction of Dumping Sites

Sr.no	Description of item	Qty.	Unit	Cement in Tonne		Sand in Cum		Agg. 40mm in Cum		Boulder in Cum		G.I. Wire	
				Rate	Qty.	Rate	Qty.	Rate	Qty.	Rate	Qty.	Rate	Qty.
1	Boulders	74.7	Cum	0.00	0.00	0.00	0.00	0.00	0.00	1.00	74.7	0.00	0.00
2	GI wire 4 mm Dia	74.7	Sqm	0.00	0.00	0.00	0.00	0.00	0.00	0.00		11.37	849.34
			Total	0.00	0.00	0.00	0.00				74.70	11.37	849.34

0.85
Tonne

C/S
Deputy Conservator of Forests
Suket Forest Division
Sundernagar Dist. Mandi (H.P.)

[Signature]
Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Extra cost Material
SH: Construction of Dumping Sites

Sr.No.	Description of item	Qty.	Unit	Rate as per HPSR	Market Rate/Stone issue rate	Difference	Amount
1	Special Gelatine	4314	Kg	75.00	80.00	5.00	21570.00
2	Electric Detonator	15270	Nos	7.00	25.00	18.00	274860.00
3	S.F Coil			0.00	0.00		
						Total	296430.00

9/5
Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)

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Sunder Nagar Division
HPPWD Sunder Nagar

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Extra cost Material
SH: Construction of Dumping Sites

Sr.No.	Description of item	Qty.	Unit	Rate as per HPSR 2009	Market Rate/Stone issue rate	Difference	Amount
1	Boulders	74.7	Cum	300.00	700.00	400.00	29880.00
2	GI wire 4 mm Dia	850	Kg	60.00	100.00	40.00	34000.00
						Total	63880.00

C/S

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FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO
18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Extra Carriage Material
SH: Construction of Dumping Sites

Sr.No.	Description of item	Qty.	Unit	Rate	Amount
1	Boulders	74.7	Kg	178.16	13308.55
2	GI wire 4 mm Dia	0.85	Tonne	268.70	228.40
				Total	13536.95

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18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

Extra Carriage Material
SH: Construction of Dumping Sites

Sr.No.	Description of item	Qty.	Unit	Rate	Amount
1	Carriage of earth/muck from site of work to dumping site as per Muck Management Plan	40110	Kg	15.90	637749.00
				Total	637749.00

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File No. :-FP/HP/ROAD/49449/2020

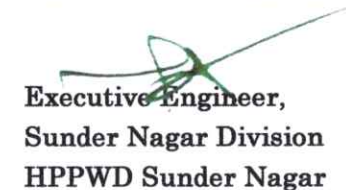
Date of Proposal :-05 Sep 2020

ABSTRACT OF COST

Sr.No.	Description of item	Qty.	Unit	Labour Rate	Amount	Through Rate	Amount
1	Earth work in excavation for structure as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal upto a lead of 50.00 mtr., dressing of sides and bottoms and back filling in trenches with excavated suitable materials. Ordinary soil upto 3.00 metres depth.	7.717	per Cum	128.15	988.93	128.15	988.93
2	Providing and laying boulder apron laid in wire crates with 4 mm dia G.I. wire conforming to IS: 4826 in 100x100 mm mesh (woven diagonally) including ten percent extra for laps and joint laid with stone boulder weighing not less than 25 Kg each as per drawing and technical specification clause 1301.	124.6	per Cum	125.15	15593.69	1458.40	181716.64
				Total	16582.62		182705.57
	Add labour enhancement 100% on labour rate						16582.62
						Total	199288.20
	Add Extra carriage of material						13536.95
	Add extra cost of material						63880.00
						G. Total	276705.14



 Deputy Commissioner of Forests
 Sunder Nagar Division
 Sunder Nagar, Distt. Mandi (H.P.)



 Executive Engineer,
 Sunder Nagar Division
 HPPWD Sunder Nagar

FULL TITLE OF PROJECT :- CONSTRUCTION OF DHARLI TO BALAG ROAD KM. 0/00 TO 18/900.

File No. :-FP/HP/ROAD/49449/2020

Date of Proposal :-05 Sep 2020

RECLAMATION PLAN FOR MUCK DUMPING


The muck dumping sites are proposed at RD 0/000 to 4/630, 4/665 to 8/305, 8/305 to 8/876, 9/745 to 9/995, 10/065 to 10/575, 10/575 to 11/895, 12/113 to 11/880, 12/880 to 13/870 and 15/595 to 18/025, falling in Khasra No. 274/252/5, 245/3, 271/2, 77/3, 218/4, 935/404/2, 676/3, 577/2, 693/34/2 and 12/2.


During the construction of Dharli to Balag Road, approximately 76,650 Cum of muck/debris will be generated. The excavated muck will be disposed of only at the identified dumping sites. Proper retaining structures, breast walls and drainage arrangements will be provided at the dumping sites to prevent erosion and sliding of muck. After completion of dumping activities, the sites will be leveled, stabilized and rehabilitated through bio-engineering measures and plantation of suitable local species (OBL plants).The reclamation plan for the dumping sites is as under:

Year	Area	Rate/Ha.	Total Amount
0th Year (Plantation+Fencing)	0.809	60150	48661.35
1th Maint.	0.809	6350	5137.15
2th Maint.	0.809	4300	3478.7
3th Maint.	0.809	2250	1820.25
4th Maint.	0.809	2250	1820.25
5th Maint.	0.809	2250	1820.25
6th Maint.	0.809	2250	1820.25
7th Maint.	0.809	2250	1820.25
8th Maint.	0.809	2250	1820.25
9th Maint.	0.809	2250	1820.25
10th Maint.	0.809	2250	1820.25
Total C.A Scheme			71839.2
Departmental charges @ 17.5%			12571.86
Contingency charges @ 5%			3591.96
Total			88003.02
GST for the cost of F/Post 13800@ 18%			2484.00
Nsy cost for plants 838 @23/-			19274.00
Grand Total			109761.02

CERTIFICATION

It is certified that the above Reclamation Plan for Muck Dumping has been prepared for the stabilization and rehabilitation of the identified dumping sites generated during the construction of Dharli to Balag Road. The muck dumping sites will be properly leveled and stabilized, and plantation will be carried out as per the above scheme to restore the environmental conditions of the area.


Deputy Conservator of Forests
Suket Forest Division
Sundernagar Distt. Mandi (H.P.)


Executive Engineer,
Sunder Nagar Division
HPPWD Sunder Nagar