

Full Title of Project: Diversion of 2.4957 Ha. of forest land for Construction of PAKHNOJ-II SHEP 5.00 MW, Tehsil Manali Forest Division Kullu Distt. Kullu (H.P.)

File No:

Proposal No. : FP/HP/HYD/145089/2021

Date of Proposal :

Check List No 28

Dumping Sites and Reclamation Plans

There is muck Generation, hence muck dumping sites are required. Detailed Reclamation plan along with Muck Dumping sites & their cross section has been attached.



Authorized Signatory
Managing Director
Main Bazar Bhuntar, Distt. Kullu (H.P.)

M/S BHOLENATH POWER CONSTRUCTION
COMPANY PVT. LTD.



Countersigned By:-

Divisional Forest Officer
Kullu Forest Division

Kullu Forest Division Distt Kullu H.P

Detail of Muck Dumping sites in respect of Pakhnoj-II 5.00 MW SHEP in Forest Range Nagar, Kullu Forest Division of Distt. Kullu (H.P.)

Sr. No.	Name of Dumping Site	Location	Length in m	Width in m	Area in sqm	Height in m	Capacity of Dumping in cum	Remarks
1	Muck Dumping Site -1	Near Weir, & Approach Road to Weir Site	30	5	150	8	1200.00	Forest Land
2	Muck Dumping Site -2	Near D- Tank	30	10	300	8	2400.00	Forest Land
3	Muck Dumping Site -3	Near Approach Road to Weir Site	40	20	800	8	6400.00	Forest Land
4	Muck Dumping Site -4	Near Forebay Tank	10	8	80	8	640.00	Forest Land
5	Muck Dumping Site -5	Near Approach Road to Weir Site	30	8	240	8	1920.00	Forest Land
6	Muck Dumping Site -6	Near Power House	30	10	300	8	2400.00	Forest Land
7	Muck Dumping Site -7	Near Approach Road to Power House	40	10	400	8	3200.00	Forest Land
	Total				1570.00		12560.00	

Date 24/03/2022

Place - Kullu


 Authorized Signatory
 Bhola Nath Power Const. Co. Pvt. Ltd.
 Main Bazar Bhuntar, Distt. Kullu (H.P.)

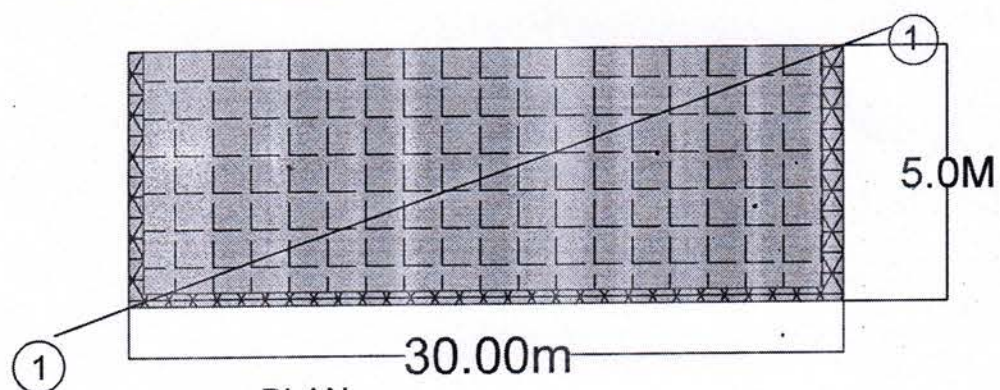

 Divisional Forest Officer
 Kullu Forest Division, Kullu (H.P.)

RECLAMATION MUCK GENERATED PLAN FOR PKHNOJ-II SHEP (5.00 MW)

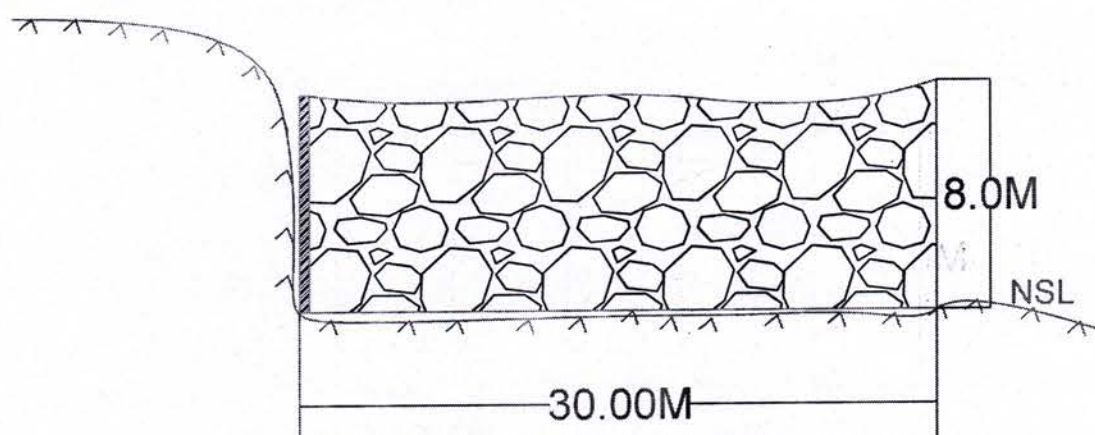
Sr. No.	Name of Component from Where Muck is to be Produced	Provided Size of Land In sqm	Actual Size of Component in sqm	Total Qty. Of Muck is to be Produced in cum	Factor of increase in volume after excavation	Total Qty. of Muck to be Dumped on the basis of increased Qty in cum	Qty of Muck to be utilised (in cum)	Total Qty of Muck Remaining after Utilisation	Remarks
1	Diversion Weir	20.00 X 8	15.00 X 6.00	90.00	45%	130.50	45.68	84.83	Out of total muck generated, about 35% shall be used in construction of crates, protection of diversion weir, Water Conduutory System, Gravel Taper, Protection of desilting tank, construction of D Tank cum Forebay rest of the muck including swell factor (45%) shall be dumped in muck dumping sites 1
2	WCS-1	400x2	400.00 X 1	400.00	45%	580.00	203.00	377.00	
3	WCS-2	875x2	875 X 1	875.00	45%	1268.75	444.06	824.69	
4	Desilting Tank	25X10	20.00 X 8	320.00	45%	464.00	162.40	301.60	
5	Forebay Tank	20 X 10	20.00 X 8	240.00	45%	348.00	174.00	174.00	50% of the , saddle supports and retaining walls to support penstock & muck generated from the Power House, Road and Transmission Line and Switchyard Shall Be used for levelling/filling of Power house and Switchyard area. Balance Muck including Swell Factor (45%) shall be dumped in site-2 to 5. 35% Muck Generated from Tail race shall be used for Protection work and Construction work of Tail Race. Balance Muck including Swell Factor (45%) shall be dumped in Muck Dumping site -5.
6	Power House CUM Switchyard	40.00 X 20.00	35.00 X 18	630.00	45%	913.50	456.75	456.75	
7	Tail Race	25.00 X 2.00	25 X 1.0	25.00	45%	36.25	12.69	23.56	
8	Approach road to ph site	2145.67 X3.00	2145.67 X 3	5149.61	45%	7466.93	3733.47	3733.47	
9	Apporach Road to weir site	2692.67X3.00	2692.67X3.00	6462.41	45%	9370.49	4685.25	4685.25	
10	U/G Transmission Cable	2022 X0.6	2022 X0.6	1213.20	45%	1759.14	879.57	879.57	
20	Total			15405.22		22337.56	10796.86	11540.71	
Total qty. of Muck is to be produced in cum =						15405.22	cum		
Total qty. of muck to be dumped on the basis of increased qty in cum =						22337.56	cum		
Qty of muck is to be utilised (in cum) =						10796.86	cum		
Total capacity of muck to be dumped =						11540.71	cum	TRUE.	11540.71<12560


 Authorised Signatory
 Bhote Nath Power Const. Co. Pvt. Ltd.
 Main Bazar Bhuntar, Distt. Kullu (H.P.)


 Divisional Forest Officer
 Kullu Forest Division, Kullu



PLAN
MUCK DUMPING SITE-1



SECTION 1

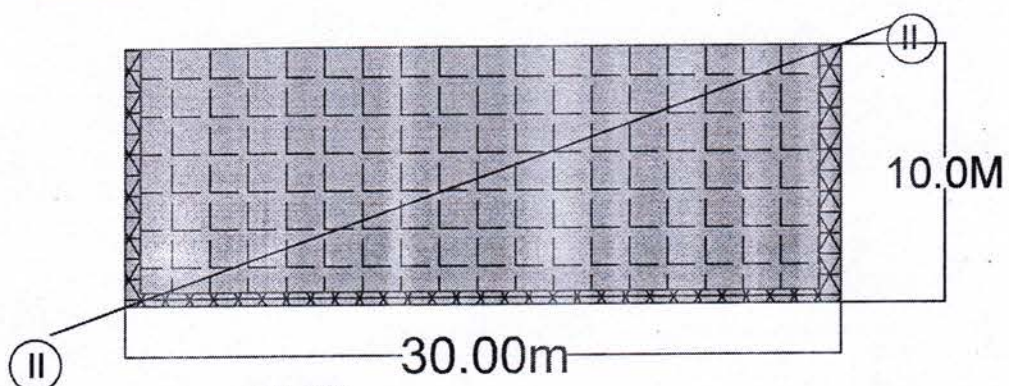
AREA-30.0MX5.0M
=150.0M²
H-8.0M
QTY=1200M³

DETAIL OF MUCK DUMPING
SITE-1 NEAR WEIR SITE
PAKHNOJ-II SHEP 5.00MW

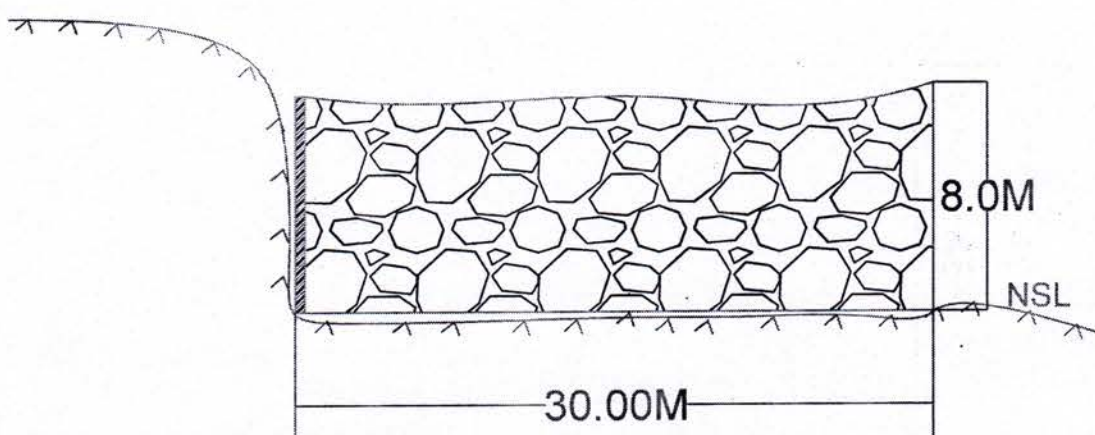
CLIENT:-BHOLENATH POWER
CONSTRUCTION COMPANY
PVT LTD

Authorised Signatory
Bholenath Power Const. Co. Pvt. Ltd.
Main Bazar Bhuntar, Distt. Kullu (H.P.)

Divisional Forest Officer
Kullu Forest Division, Kullu



PLAN
MUCK DUMPING SITE-II



SECTION II

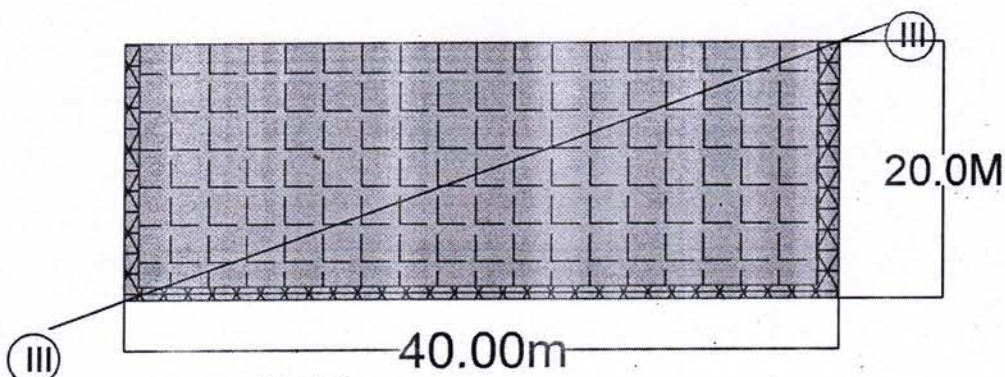
AREA-30.0MX10.0M
=300.0M²
H-8.0M
QTY=2400M³

DETAIL OF MUCK DUMPING
SITE-II NEAR DESILTING TANK
PAKHNOJ-II SHEP 5.00MW

CLIENT:-BHOLENATH POWER
CONSTRUCTION COMPANY
PVT LTD

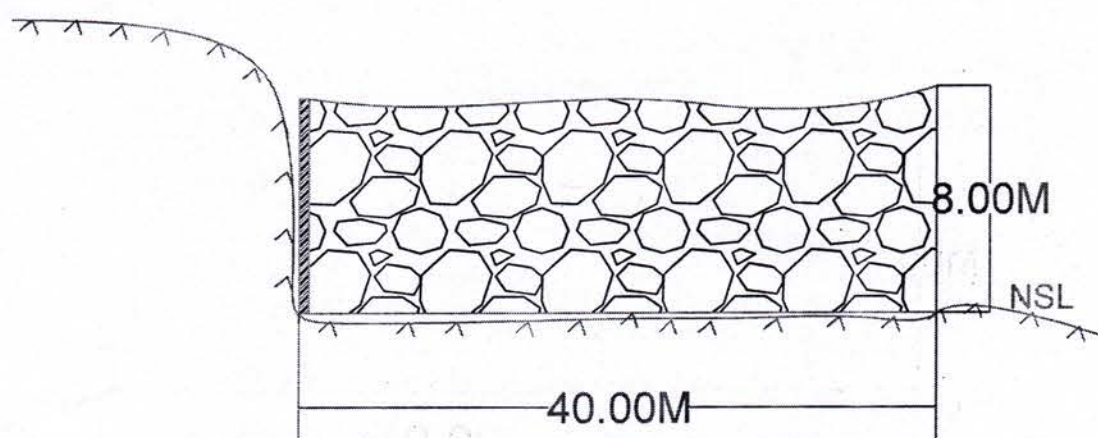
Authorised Signatory
Bholenath Power Const. Co. Pvt. Ltd.
Main Bazar Bhuntar, Distt. Kullu (H.P.)

Divisional Forest Officer
Kullu Forest Division, Kullu



PLAN
MUCK DUMPING SITE-III

AREA-40.0MX20.0M
=800.0M²
H-8.0M
QTY=6400M³



SECTION III

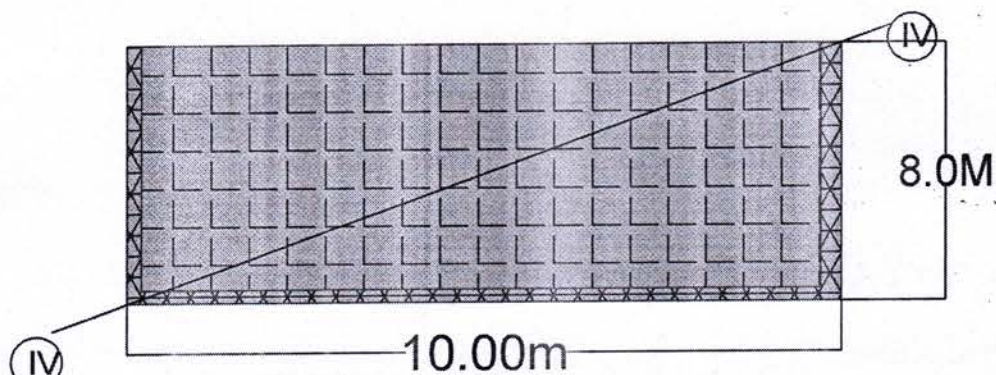
DETAIL OF MUCK DUMPING
SITE-III NEAR
APPROACH ROAD TO
WEIR SITE
PAKHNOJ-II SHEP 5.00MW

CLIENT:-BHOLENATH POWER
CONSTRUCTION
COMPANY PVT LTD

[Signature]
Authorised Signatory

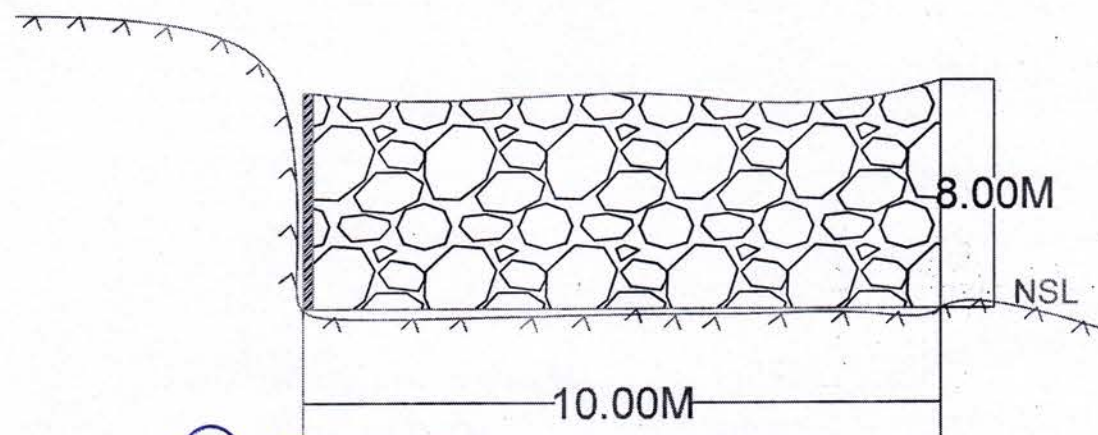
Bholenath Power Const. Co. Pvt. Ltd.
Main Bazar Bhuntar, Distt. Kullu (H.P.)

[Signature]
Divisional Forest Officer
Kullu Forest Division, Kullu



PLAN
MUCK DUMPING SITE-D

AREA-10.0MX8.0M
=80.0M²
H-8.00M
QTY=6400M³



SECTION -IV

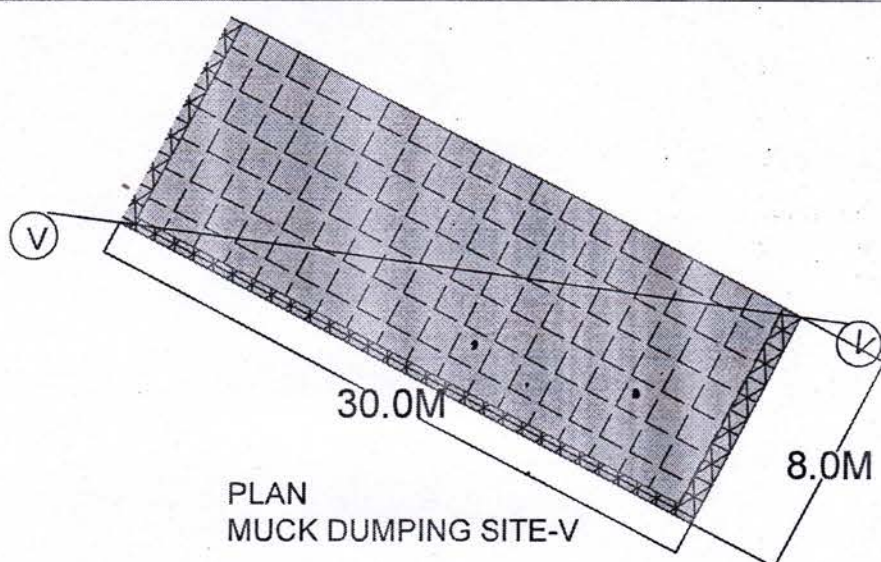
DETAIL OF MUCK DUMPING
SITE-IV NEAR FOREBAY
TANK
PAKHNOJ-II SHEP 5.00MW

CLIENT:-BHOLENATH POWER
CONSTRUCTION COMPANY
PVT LTD

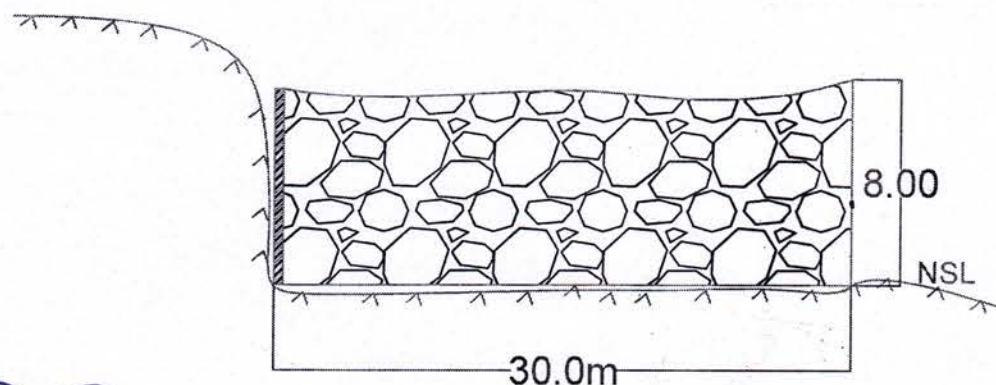
[Signature]
Authorised Signatory

Bholenath Power Const. Co. Pvt. Ltd.
Main Bazar Bhuntar, Distt. Kullu (H.P.)

[Signature]
Divisional Forest Officer
Kullu Forest Division, Kullu



PLAN
MUCK DUMPING SITE-V



SECTION-V

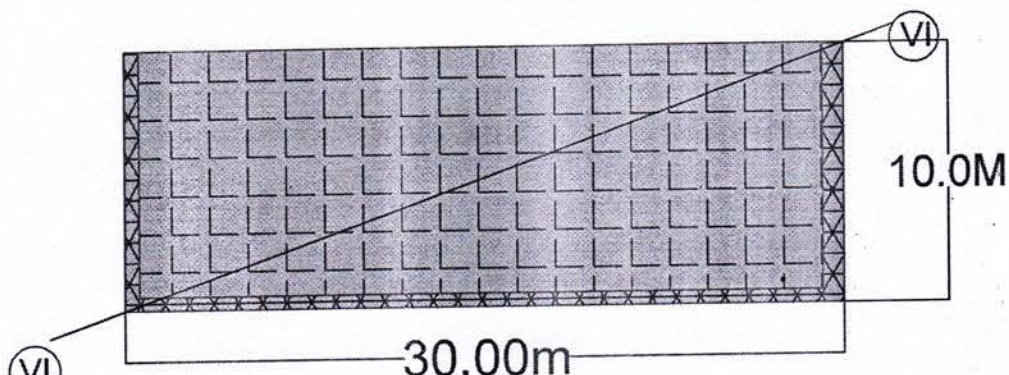
[Signature]
 Authorised Signatory
 Bholenath Power Const. Co. Pvt. Ltd.
 Main Bazar Bhuntar, Distt. Kullu (H.P.)

[Signature]
 Divisional Forest Officer
 Kullu Forest Division, Kullu

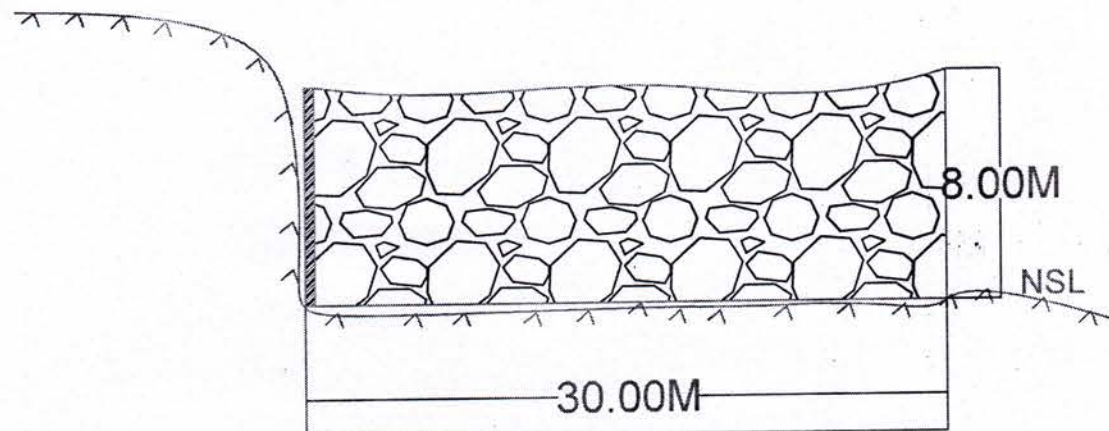
AREA-30.0MX8.0M
 =240.0M²
 H-8.00M
 QTY=1920M³

DETAIL OF MUCK DUMPING
 SITE-V NEAR APPROACH
 ROAD TO WEIR SITE
 PAKHNOJ-II SHEP

5.00MW
 CLIENT:-BHOLENATH POWER
 CONSTRUCTION COMPANY
 PVT LTD



PLAN
MUCK DUMPING SITE-VI



SECTION VI

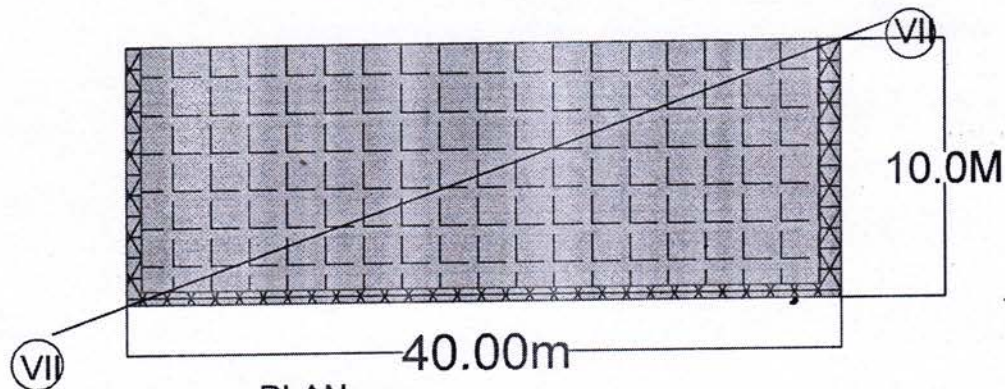
[Signature]
 Authorised Signatory
 Bholenath Power Const. Co. Pvt. Ltd.
 Main Bazar Bhuntar, Distt. Kullu (H.P.)

[Signature]
 Divisional Forest Officer
 Kullu Forest Division, Kullu

AREA-30.0MX10.0M
 =300.0M²
 H-8.00M
 QTY=2400M³

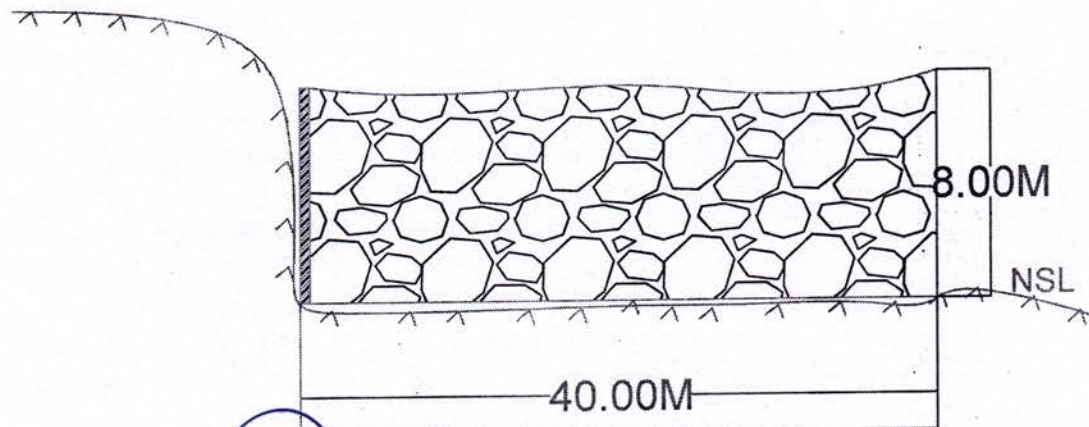
DETAIL OF MUCK DUMPING
 SITE-VI NEAR
 POWERHOUSE SITE
 PAKHNOJ-II SHEP 5.00MW

CLIENT:-BHOLENATH POWER
 CONSTRUCTION COMPANY
 PVT LTD



PLAN
MUCK DUMPING SITE-VII

AREA-40.0MX10.0M
=400.0M²
H-8.00M
QTY=3200M³



SECTION VII

DETAIL OF MUCK DUMPING
SITE-VII NEAR APPROACH
ROAD TO POWERHOUSE
SITE
PAKHNOJ -II SHEP 5.00MW

CLIENT:-BHOLENATH POWER
CONSTRUCTION COMPANY
PVT LTD

Authorised Signatory
Bholenath Power Const. Co. Pvt. Ltd.
Main Bazar Baramulla, Distt. Kulth (H.P.)

Divisional Forest Officer
Kulth Forest Division, Kulth