



SJVN Limited

(A Joint Venture of Govt. of India & Govt. of Himachal Pradesh)
(A Mini Ratna and Schedule 'A' Company)

CIN- L40101HP1988G01008409

website- sjvn.nic.in

Luhri HEP Stage-I

(An IS/ISO9001:2015 certified Project)

Village Bithal, P.O. Shamathala, Teh.Kumarsain, Distt. Shimla – 172030

e-mail: envqcsafetylhep@gmail.com; Phone no.: 01782- 222807, Fax:01782-222277

No.: SJVN/LHEP-I/Env.-FC/2019- 94

Dated: 07-10-19

To

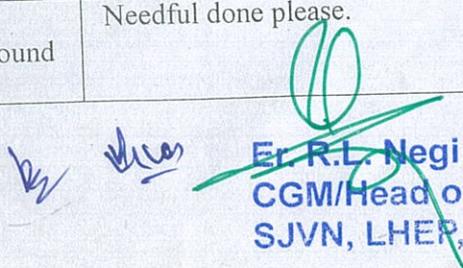
The Divisional Forest Officer,
Forest Division Anni at Luhri,
Distt.Kullu (H.P.)

Sub: Diversion of 0.9486 ha of additional forest land for Luhri HEP Stage-I (210 MW), Bithal, Shimla for the construction of approach road for Moin quarry site within the jurisdiction of Anni at Luhri Forest Division, Distt. Kullu, Himachal Pradesh- Submission of Hard copy of the proposal seeking prior approval of Central Government under the Forest (Conservation) Act 1980.

Sir,

This has reference to your office letter No. 2157, dated 11/9/2019. The point wise reply of the shortcomings/ observations as mentioned in the letter are as under:-

Sr.No	Description	SJVN Reply
1	Dumping sites has not been mention on the Digital map, Toposheet and KML File.	The Dumping sites of LHEP stage-I shall be used for dumping & the same have now been mentioned on the maps.
2	Layout plan of the road is found attached as photocopy, needs colored.	Coloured Plan has been attached now.
3	NOC issued by the DC, has been found photocopy, needs one copy in original in 1st copy and certified copy on other three proposals.	The NOC as received from DC has been attached in original please.
4	Toposheet and Digital Map of Compensatory area has not been found with proposal.	The CA site needs to be identified by your office. The maps shall be prepared accordingly please.
5	Certificate regarding non availability of non-forest land for Compensatory Afforestation issued by DC has not been found attached with proposal.	As per discussions held within the O/o Nodal Officer (FCA) Shimla, this certificate is not required now.
6	Certificate regarding aerial distance from the nearest wildlife sanctuary has not been found attached with proposal.	As this road is a part of Luhri HEP Stage-I, hence the NOC as received for LHEP-I is being attached now.
7	Detail/Calculation of Muck generated for construction of aforesaid road has not been found attached with the proposal	Needful done please.


Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

It is worthwhile to mention here that this project is of **National interest** to fulfil the increasing demand of electricity with tremendous opportunities for **generation of employment** as well as **development** of the local area. Hence an early action is requested please.

With Regards,

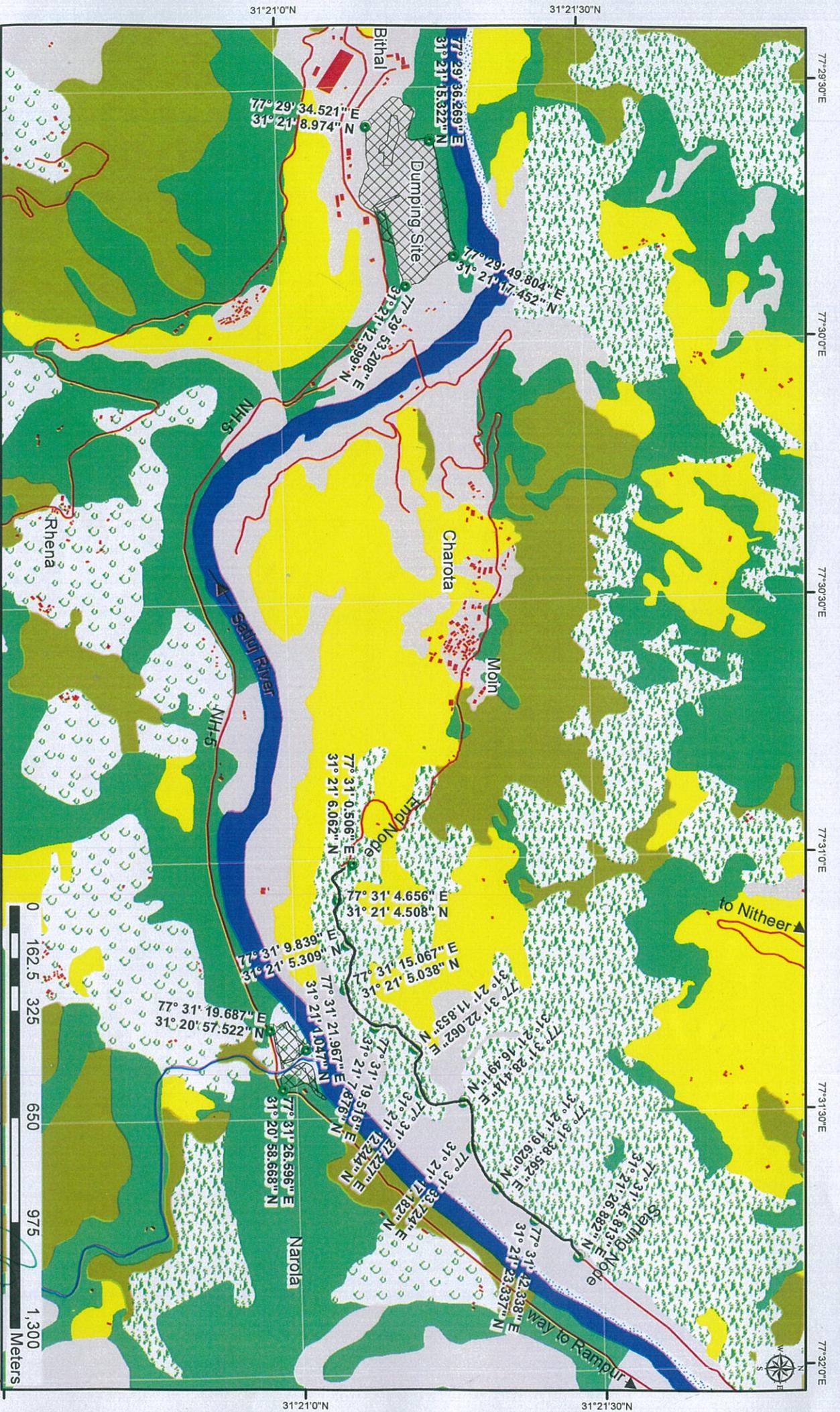
DA: As Above.

Yours Faithfully,

(Er. R.L.Negi)

Chief General Manager/HOP,
SJVN Ltd., Luhri HEP, Bithal.

b
M



Legend

- Proposed Moin Quarry Road 1700 Meters
- Coordinates
- Dumpsites
- Drainage
- Road
- Footpath
- Builtup
- Agriculture Land
- Forest
- Grass Land
- Plantation
- Shrubs
- Open Land/Waste Land
- River/Nallah
- Dryriverbed

E.T. P.L. Nishi
 CGM/Head of Project
 S.JVN, LHRI, Bitnal



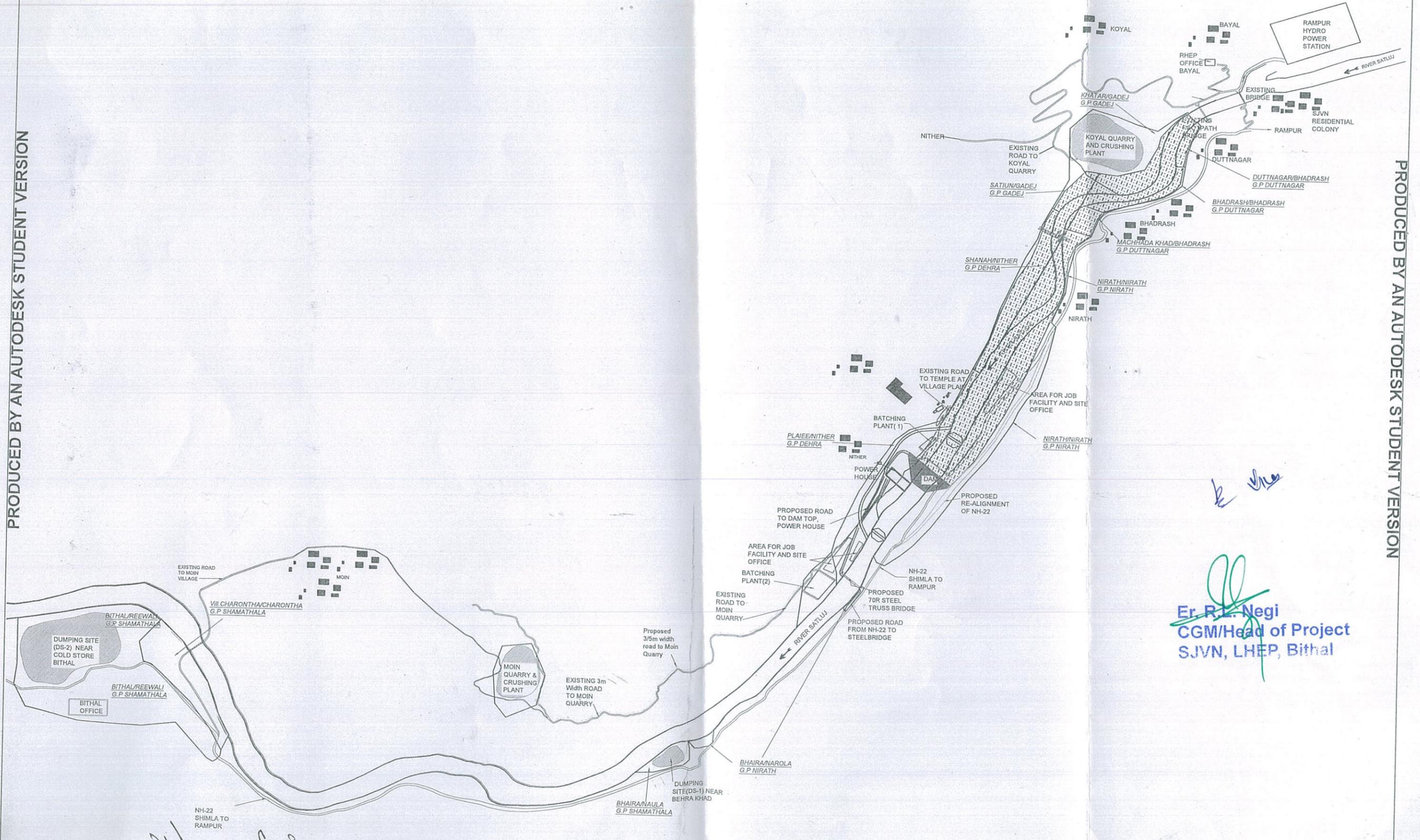
Handwritten signature

SJVN, LHEP, Bithal

LAYOUT PLAN OF LHEP STAGE -I (210 MW)

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



[Handwritten signature]
Er. R.L. Negi
 CGM/Head of Project
 SJVN, LHEP, Bithal

No. WL (Misc.)-60/HEPs/Vol.VIII/ 6614
Himachal Pradesh Forest Department.

From:

Principal Chief Conservator of Forests,
(Wildlife)-cum-Chief Wildlife Warden,
Himachal Pradesh, Shimla-171001.

To

The Head of Project,
Luhri Hydro Electric Project,
SJVN Limited, Sunni. District Shimla (HP).

Dated Shimla 71001, the 08/03/2016

Subject:-

NOC for Luhri Hydro Electric Project Stage-I (219 MW).

Sir,

Kindly refer to your office letter No. SJVN/LHEP/HOP/15-632 dated 14/10/2015 on the subject cited above.

2. In continuation to this office letter of even number/4907 dated 10/12/2008, it is reiterated that the project area does not fall within the boundaries of National Parks/Wildlife Sanctuaries and as such this office has no objection if the construction work of Stage-I (219 MW) of Luhri Hydro Electric Project is undertaken and to obtain environmental clearance from the MoEF&CC.

Yours faithfully,

[Signature]
Principal Chief Conservator of Forests,
(Wildlife) & CWLW, HP Shimla-1.

2335
2/3/16

~~CGM/HOP~~
~~for DUM (PP&M)/ENVT.~~

for record
WHTT
08/03/16

~~Er. R. L. Negi
Head of Project
SJVN, LHEP, Bithal~~

[Signature]

~~Er. R. L. Negi
Head of Project
SJVN, LHEP, Bithal~~

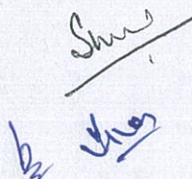
n[FJ]
m/03
10-03-16

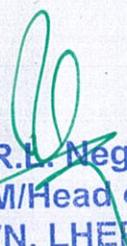
[Signature]
↓

[Signature]
Er. R. L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

Muck Management Plan of Moin Quarry Road

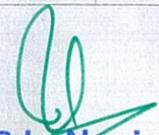
Total muck to be generated during c/o Moin Quarry Road (as per list attached)	6684.90 m ³
(Say)	6685.00 m³
The above Quantity of Muck shall be dumped in the pre-designated Dumping site of LHEP Stage-1 as per details below:-	
Capacity of Dumping site (DS-1) near Rewali	19,92,113.00 m ³
Capacity of Dumping site (DS-2) near Naula	1,26,464.00 m ³
Total Dumping Capacity	21,18,577.00 m³
Total Muck generation - LHEP Stage-1	18,84,281.00 m ³
Total Muck generation -Moin Quarry Road	6685.00 m ³
	18,90,966.00 m³
Add Swelling factor@ 45%	8,50,935.00 m ³
	27,40,901.00m³
Re-Utilization of Muck@ 30%	(-) 8,22,270.00m ³
Total Quantity of Muck to be Dumped in dumping Yards	19,18,631.00 m³

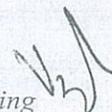

 21/11/2021


Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

DETAIL OF MEASUREMENTS

NAME OF WORK :- CONSTRUCTION OF ROAD FROM NIRATH BRIDGE TO PROPOSD QUARRY SITE OF LUHRI HYDRO PROJECT K.M. 0/0 to 1/700										
SH :- Formation Cutting of intermediate lane i.e 3/5 mtr . Wide road in km. 0/00 to 1/700										
R.D.	X- Section Area	Mean Area	Length	Qty.	CLASSIFICATION %			CLASSIFICATION Qty.		
					SOIL	O / R	H / R	SOIL	O / R	H / R
1	2	3	4	5	6	7	8	9	10	11
0/000	1.88		0.00							
0/015	2.26	2.07	15.00	31.08	5.00	65.00	30.00	1.55	20.20	9.32
0/030	2.40	2.33	15.00	34.95	5.00	65.00	30.00	1.75	22.72	10.49
0/045	2.78	2.59	15.00	38.88	5.00	65.00	30.00	1.94	25.27	11.66
0/060	1.73	2.26	15.00	33.83	5.00	65.00	30.00	1.69	21.99	10.15
0/075	1.64	1.69	15.00	25.28	5.00	65.00	30.00	1.26	16.43	7.58
0/090	2.21	1.93	15.00	28.94	5.00	55.00	40.00	1.45	15.91	11.57
0/105	2.96	2.59	15.00	38.82	5.00	55.00	40.00	1.94	21.35	15.53
0/120	2.97	2.97	15.00	44.49	5.00	75.00	20.00	2.22	33.37	8.90
0/135	2.91	2.94	15.00	44.13	5.00	75.00	20.00	2.21	33.10	8.83
0/150	2.55	2.73	15.00	41.00	5.00	75.00	20.00	2.05	30.75	8.20
0/165	4.01	3.28	15.00	49.19	5.00	75.00	20.00	2.46	36.89	9.84
0/180	4.91	4.46	15.00	66.83	5.00	75.00	20.00	3.34	50.12	13.37
0/195	3.42	4.16	15.00	62.45	5.00	75.00	20.00	3.12	46.83	12.49
0/210	2.38	2.90	15.00	43.50	5.00	75.00	20.00	2.18	32.63	8.70
0/225	2.01	2.20	15.00	32.93	5.00	75.00	20.00	1.65	24.69	6.59
0/240	2.11	2.06	15.00	30.90	5.00	65.00	30.00	1.55	20.09	9.27
0/255	1.82	1.96	15.00	29.46	5.00	65.00	30.00	1.47	19.15	8.84
0/270	2.14	1.98	15.00	29.69	5.00	65.00	30.00	1.48	19.30	8.91
0/285	2.71	2.42	15.00	36.35	5.00	65.00	30.00	1.82	23.62	10.90
0/300	1.58	2.14	15.00	32.12	5.00	65.00	30.00	1.61	20.87	9.63
0/315	2.84	2.21	15.00	33.11	5.00	55.00	40.00	1.66	18.21	13.24
0/330	2.06	2.45	15.00	36.77	5.00	55.00	40.00	1.84	20.22	14.71
0/345	2.94	2.50	15.00	37.52	5.00	55.00	40.00	1.88	20.63	15.01
0/360	2.94	2.94	15.00	44.13	5.00	55.00	40.00	2.21	24.27	17.65
0/375	2.51	2.73	15.00	40.92	5.00	55.00	40.00	2.05	22.51	16.37
0/390	5.19	3.85	15.00	57.77	5.00	55.00	40.00	2.89	31.77	23.11
0/405	1.42	3.30	15.00	49.56	5.00	55.00	40.00	2.48	27.26	19.82
0/420	1.49	1.45	15.00	21.78	5.00	55.00	40.00	1.09	11.98	8.71
0/435	1.38	1.43	15.00	21.51	5.00	65.00	30.00	1.08	13.98	6.45
0/450	2.58	1.98	15.00	29.72	5.00	45.00	50.00	1.49	13.37	14.86
0/465	1.28	1.93	15.00	28.97	5.00	45.00	50.00	1.45	13.03	14.48
0/480	2.28	1.78	15.00	26.72	5.00	75.00	20.00	1.34	20.04	5.34
0/495	3.09	2.69	15.00	40.29	5.00	75.00	20.00	2.01	30.22	8.06
0/510	3.77	3.43	15.00	51.48	5.00	85.00	10.00	2.57	43.76	5.15
0/525	1.43	2.60	15.00	38.99	5.00	85.00	10.00	1.95	33.14	3.90


Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal

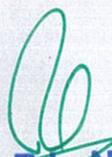
A-Formation Cutting 

1	2	3	4	5	6	7	8	9	10	11
0/540	2.42	1.92	15.00	28.80	5.00	85.00	10.00	1.44	24.48	2.88
0/555	2.82	2.62	15.00	39.24	5.00	85.00	10.00	1.96	33.35	3.92
0/570	2.39	2.60	15.00	39.05	5.00	85.00	10.00	1.95	33.19	3.90
0/585	2.41	2.40	15.00	35.96	5.00	85.00	10.00	1.80	30.56	3.60
0/600	5.15	3.78	15.00	56.66	5.00	75.00	20.00	2.83	42.49	11.33
0/615	3.80	4.47	15.00	67.10	5.00	75.00	20.00	3.35	50.32	13.42
0/630	3.58	3.69	15.00	55.32	5.00	75.00	20.00	2.77	41.49	11.06
0/645	1.15	2.36	15.00	35.46	5.00	75.00	20.00	1.77	26.60	7.09
0/660	1.40	1.27	15.00	19.10	5.00	75.00	20.00	0.95	14.32	3.82
0/675	2.05	1.72	15.00	25.82	5.00	75.00	20.00	1.29	19.36	5.16
0/690	1.32	1.68	15.00	25.26	5.00	75.00	20.00	1.26	18.95	5.05
0/705	2.77	2.05	15.00	30.68	5.00	75.00	20.00	1.53	23.01	6.14
0/720	2.69	2.73	15.00	40.92	5.00	75.00	20.00	2.05	30.69	8.18
0/735	5.05	3.87	15.00	58.04	5.00	75.00	20.00	2.90	43.53	11.61
0/750	2.72	3.88	15.00	58.25	5.00	75.00	20.00	2.91	43.68	11.65
0/765	3.56	3.14	15.00	47.10	5.00	75.00	20.00	2.36	35.33	9.42
0/780	4.41	3.99	15.00	59.78	5.00	75.00	20.00	2.99	44.83	11.96
0/795	9.51	6.96	15.00	104.36	5.00	75.00	20.00	5.22	78.27	20.87
0/810	2.56	6.04	15.00	90.53	5.00	75.00	20.00	4.53	67.89	18.11
0/825	4.46	3.51	15.00	52.70	5.00	85.00	10.00	2.63	44.79	5.27
0/840	8.56	6.51	15.00	97.65	5.00	85.00	10.00	4.88	83.00	9.77
0/855	9.62	9.09	15.00	136.31	5.00	85.00	10.00	6.82	115.86	13.63
0/870	13.66	11.64	15.00	174.59	5.00	85.00	10.00	8.73	148.40	17.46
0/885	15.32	14.49	15.00	217.37	5.00	85.00	10.00	10.87	184.76	21.74
0/900	15.56	15.44	15.00	231.60	5.00	85.00	10.00	11.58	196.86	23.16
0/915	9.88	12.72	15.00	190.79	5.00	85.00	10.00	9.54	162.17	19.08
0/930	3.19	6.53	15.00	98.00	5.00	85.00	10.00	4.90	83.30	9.80
0/945	8.65	5.92	15.00	88.77	5.00	85.00	10.00	4.44	75.45	8.88
0/960	7.88	8.27	15.00	123.99	5.00	85.00	10.00	6.20	105.39	12.40
0/975	14.48	11.18	15.00	167.72	5.00	85.00	10.00	8.39	142.56	16.77
0/990	12.87	13.68	15.00	205.14	5.00	85.00	10.00	10.26	174.37	20.51
1/000	4.14	8.51	10.00	85.05	5.00	85.00	10.00	4.25	72.29	8.51
1/015	3.99	4.07	15.00	60.98	5.00	65.00	30.00	3.05	39.63	18.29
1/030	12.40	8.20	15.00	122.96	5.00	65.00	30.00	6.15	79.92	36.89
1/045	3.75	8.08	15.00	121.16	5.00	65.00	30.00	6.06	78.75	36.35
1/060	2.66	3.21	15.00	48.09	5.00	65.00	30.00	2.40	31.26	14.43
1/075	3.11	2.89	15.00	43.29	5.00	65.00	30.00	2.16	28.14	12.99
1/090	4.48	3.79	15.00	56.91	5.00	65.00	30.00	2.85	36.99	17.07
1/105	5.52	5.00	15.00	74.96	5.00	65.00	30.00	3.75	48.72	22.49
1/120	4.00	4.76	15.00	71.36	5.00	65.00	30.00	3.57	46.38	21.41
1/135	2.92	3.46	15.00	51.87	5.00	65.00	30.00	2.59	33.72	15.56
1/150	2.20	2.56	15.00	38.42	5.00	65.00	30.00	1.92	24.97	11.52
1/165	6.99	4.60	15.00	68.94	5.00	65.00	30.00	3.45	44.81	20.68
1/180	3.11	5.05	15.00	75.72	5.00	65.00	30.00	3.79	49.22	22.72

Er. R.L. Negi
CGM/Head of Project
SJVN, LHER, Bithal

A-Formation Cutting

1	2	3	4	5	6	7	8	9	10	11
1/195	1.94	2.52	15.00	37.85	5.00	65.00	30.00	1.89	24.60	11.35
1/210	2.59	2.26	15.00	33.96	5.00	65.00	30.00	1.70	22.07	10.19
1/225	1.65	2.12	15.00	31.80	5.00	65.00	30.00	1.59	20.67	9.54
1/240	4.38	3.01	15.00	45.21	5.00	65.00	30.00	2.26	29.39	13.56
1/255	2.17	3.28	15.00	49.13	5.00	65.00	30.00	2.46	31.93	14.74
1/270	3.83	3.00	15.00	45.05	5.00	75.00	20.00	2.25	33.78	9.01
1/285	3.29	3.56	15.00	53.42	5.00	75.00	20.00	2.67	40.06	10.68
1/300	2.33	2.81	15.00	42.11	5.00	75.00	20.00	2.11	31.58	8.42
1/315	2.45	2.39	15.00	35.81	5.00	75.00	20.00	1.79	26.85	7.16
1/330	5.92	4.18	15.00	62.76	5.00	75.00	20.00	3.14	47.07	12.55
1/345	5.82	5.87	15.00	88.01	5.00	75.00	20.00	4.40	66.00	17.60
1/360	3.37	4.59	15.00	68.87	5.00	75.00	20.00	3.44	51.65	13.77
1/375	2.10	2.73	15.00	40.97	5.00	75.00	20.00	2.05	30.72	8.19
1/390	1.94	2.02	15.00	30.29	5.00	75.00	20.00	1.51	22.71	6.06
1/405	2.25	2.10	15.00	31.47	5.00	75.00	20.00	1.57	23.60	6.29
1/420	3.45	2.85	15.00	42.77	5.00	75.00	20.00	2.14	32.07	8.55
1/435	2.15	2.80	15.00	42.02	5.00	75.00	20.00	2.10	31.51	8.40
1/450	5.82	3.99	15.00	59.81	5.00	75.00	20.00	2.99	44.85	11.96
1/465	2.98	4.40	15.00	66.03	5.00	75.00	20.00	3.30	49.52	13.21
1/480	2.16	2.57	15.00	38.58	5.00	75.00	20.00	1.93	28.94	7.72
1/495	2.46	2.31	15.00	34.67	5.00	75.00	20.00	1.73	26.00	6.93
1/510	2.22	2.34	15.00	35.13	5.00	75.00	20.00	1.76	26.35	7.03
1/525	3.13	2.68	15.00	40.14	5.00	75.00	20.00	2.01	30.11	8.03
1/540	3.76	3.45	15.00	51.69	5.00	75.00	20.00	2.58	38.77	10.34
1/555	2.96	3.36	15.00	50.39	5.00	75.00	20.00	2.52	37.79	10.08
1/570	4.44	3.70	15.00	55.47	5.00	75.00	20.00	2.77	41.60	11.09
1/585	5.51	4.97	15.00	74.60	5.00	75.00	20.00	3.73	55.95	14.92
1/600	2.18	3.84	15.00	57.65	5.00	75.00	20.00	2.88	43.23	11.53
1/615	1.70	1.94	15.00	29.15	5.00	75.00	20.00	1.46	21.86	5.83
1/630	2.54	2.12	15.00	31.80	5.00	75.00	20.00	1.59	23.85	6.36
1/645	5.22	3.88	15.00	58.17	5.00	75.00	20.00	2.91	43.63	11.63
1/660	3.48	4.35	15.00	65.28	5.00	75.00	20.00	3.26	48.96	13.06
1/675	6.03	4.76	15.00	71.36	5.00	75.00	20.00	3.57	53.52	14.27
1/690	6.08	6.06	15.00	90.84	5.00	75.00	20.00	4.54	68.13	18.17
1/700	1.35	3.72	10.00	37.15	5.00	75.00	20.00	1.86	27.86	7.43
Total Qty.=				6684.93				334.25	4990.89	1359.79
Say Total Qty.=				6684.90				334.20	4990.90	1359.80


Er. R.L. Negi
CGM/Head of Project
SJVN, LHEP, Bithal