

From: Pr. Chief Conservator of Forests (HoFF),
Himachal Pradesh Shimla-1.

To: The Regional Officer,
Integrated Regional Office GoI, MoEF&CC,
CGO Complex, Shivalik Khand, Longwood,
Shimla, Himachal Pradesh.

Dated Shimla-1, the

25 JUL 2022

Subject: Diversion of 1.3463 ha. of forest land in favour of Jal Shakti, for the construction of source level augmentation of various WWS/LWSS by providing LWSS from Govind Sagar, Lake at Kut Bounger, within the jurisdiction of Bilaspur Forest Division, Distt. Bilaspur Himachal Pradesh. (Online Proposal No. FP/HP/Water/118984/2022).

Sir,

Kindly refer to your office letter No.FC/H.P.B/02/38/2022 dated 29.04.2022 on the subject cited above.


2. The reply to the observations as raised vide your above referred letter is submitted as below:-

1. The user agency has submitted layout plan showing dimension of the proposed pipeline water treatment plan and Storage Tanks which is enclosed & also uploaded online.
2. The user agency has submitted layout plan showing the existing water pipe line crossing Sheer Khad at any point and pipeline and if there will be any need for construction/laying of pipelines from NOC from HPPWD has been obtained. Regarding this new layout plan has been enclosed and also uploaded online.
3. The revised NPV bll is enclosed herewith.
4. The user agency has submitted Administrative Approval letter which is uploaded on the webportal and the copy of same is also enclosed herewith.
5. The user agency has uploaded KML file of the revised layout plan.
6. The reclamation plan for the dumping site has been uploaded online by the user agency and hard copy of the same is enclosed herewith.
7. It is fact that diversion area polygon is touching Govind Sagar Lake. Earlier, The GoHP has declared Govind Sagar as Wildlife Sanctuary vide notification NO. FFE-B-B-F(6)-18/99 dated 23.10.1999. Thereafter, above wildlife sanctuary has been de-notified by GoHP vide Notification No. FFE-B-F(6)-11/2005-II/Govindsagar dated 07.06.2013. As such, Shree Naina Devi Ji, Conservation Reserve is the only protected area in Bilaspur Forest Division and is situated at an aerial distance of 2 KM from proposed Site. As the eco sensitive zone of above Protected area is not notified, the same is being considered as 10 Km from the boundary of the Protected Area as per guidelines. Thus, the Forest land falls within the Eco Sensitive Zone of Protected area. However, this project is situated at an aerial distance of about 2 Km from the conservations Reserve, Shri Nina Devi Ji with the water body of Govind Sagar Lake in between. As such, currently no bad impact on wildlife of protected area is noticed. The comments of CWLW are awaited. As and when is received same will be furnished to your office.

8. The user agency has submitted the distribution of water supply, the existing/old water distribution system will be used for this project and no extra pipelines will be laying for water distribution system is not included in the diversion area. Regarding this new layout plan has been enclosed and uploaded.

Yours faithfully,

Encls: As above


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

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

NO:-PW/JDT/CB/WA/ NOC/2022 1714-15
To

DATED.. 17/05/2022

The Executive Engineer,
Jal Shakti Division Jhandutta,
Distt. Bilaspur H.P

Subject:- Diversion of 1.3463 hect. of forest land in favour of Jal Shakti Vibhag for construction of Source level augmentation of WSS/LWSS by providing LWSS from Govind Sagar Lake at kut Bounger within the jurisdiction of Forest Division Bilaspur (NOC thereof)

Reference:- Your office letter No. JSB/JSDJ/-WA-NOC/2022-2595 dated 07-05-2022.

Please refer to your office letter under reference on the cited subject above. In this connection, it is intimated that this office/Department has no objection in digging of various roads for laying rising main and other water distribution pipe lines from LWSS Govind Sagar Lake at Kut Bounger subject to depositing of restoration charges prior to digging of roads for which estimates are being submitted shortly.

Executive Engineer,
Jhandutta Division,
H.P.P.W.D. Jhandutta.

Copy to Assistant Engineer H.P.P.W.D. Sub-Division Kalol and Berthin for information and necessary action with reference to their office letter No. 147 dated 12-05-2022 & 199 dated 11-05-2022 respectively. They are requested to prepare estimates after spot inspection alongwith concerned Assistant Engineer of Jal Shakti Vibhag and submit the same to this office for onwards submission to concerned authority.

Executive Engineer,
Jhandutta Division,
H.P.P.W.D. Jhandutta.

Attended.
Executive Engineer
Jal Shakti Division
Jhandutta

NPV Calculations

Diversion of 1.3463 ha of forest land in favour of Jal Shakti Department for construction of Source Level Augmentation of WSS/LWSS by providing LWSS from Govind Sagar Lake at Kut Bounger within the jurisdiction of Bilaspur Forest Division.


User Agency :- Executive Engineer, Ghumarwin Division HPPWD Ghumarwin. Bilaspur Distt. Bilaspur

| Sr.No. | Name of Forest | Area | No of Trees | | | | | | | | | | Total Mature Trees | Density | Density %age | NPV Rate | Total NPV (in Rs) |
|--------|----------------|--------|-------------|----|-----|-----|-----|----|----|----|----|-----|--------------------|---------|--------------|----------|-------------------|
| | | | V | IV | III | IIA | IIB | IA | IB | IC | ID | IE | | | | | |
| 1 | UPF | 1.3463 | 57 | 34 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 101 | 56 | 0.10 | 10.00 | 1005210 | 1353314 |

Note:- The area falls under Eco-Class-V Open Forest

Note:- The area falls under Eco-Class-V Open Forest

This is in accordance with Hon'ble Supreme Court of India order dated 28.03.2008


 Divisional Forest Officer,
 Bilaspur Forest Division,
 Distt. Bilaspur, HP

| ANNEXURE- R3 | | | | | |
|---|--|---------|----------|-----------|-------------|
| Cost Estimation of Reclamation of Dumping Sites of Source level Augmentation of WSS/LWSS from Govind Sagar Lake at Kut Bounger under Jal Shakti Vibhag Sub-Division Kalol in Tehsil Jhandutta Distt. Bilaspur (H.P) (1.3463 Hectare). | | | | | |
| SR.NO | DESCRIPTION | UNITS | QUANTITY | RATE (RS) | AMOUNT (RS) |
| A | Engineering Measures | | | | |
| 1 | Wire crates and Rataning walls | | L/S | L/S | 4310207 |
| B | Biological Measures | | | | |
| 1 | Cost of fence post 25 | Nos | 25 | 150 | 3750 |
| 2 | Carriage of fence post over a distance of kms to work site manually | Nos | 25 | 8 | 200 |
| 3 | Fixing of fence posts | Nos | 25 | 4.77 | 143 |
| 4 | Cost of Barbed wire (---Kg) | Qtl | 0.25 | 5500 | 1375 |
| 5 | Carriage of B/wire by vehicle | Qul | 0 | | 4000 |
| 6 | Carriage B/wire frond side to work side manually over a distance Km. | Qtl | 0.25 | L/S | 1000 |
| 7 | Stretching & Fixing of B/wire | Rmt | 225 | 3.16 | 427 |
| 8 | Interlacing of thorny bushes in B/wire | Rmt | 225 | 2.74 | 370 |
| 9 | Layout pf pits | Ha | 0.38 | 68.15 | 55 |
| 10 | Digging of pits 60x60x60cm | Nos | 1690 | 6.98 | 24821 |
| 11 | Filling of pits | Nos | 1690 | 1.42 | 5050 |
| 12 | Cost of plants | Nos | 1690 | 7 | 11830 |
| 13 | Carriage of plants by vehicle | Nos | 1690 | 1.5 | 2535 |
| 14 | Carriage of plants manually over a distance of Km | Nos | 1690 | 2 | 3380 |
| 15 | Planting of entire plant raised in polybags | Nos | 1690 | 8.73 | 31044 |
| 16 | Planting of shrubs, grasses in interspaces | ---- | --- | L/S | 2000 |
| 17 | Watering of plants during dry season | ---- | ---- | L/S | 2000 |
| 18 | Providing imported | Nos | 1690 | 5 | 8450 |
| 19 | Watch & word | Mondays | 50 | 200 | 10000 |
| Total | | | | | 4422637 |
| C. | Contingencies | | L/S | | 10000 |
| D. | Maintenance 1 st to 7 th year | | | | 43200 |
| Grand Total (A+B+C) | | | | | 4475837 |
| Or say | | | | | 4475800 |

Assistant Engineer,
JSV Sub Division Kalol.
Sub Division Kalol

Executive Engineer,
JSV Division Jhandutta
Jhandutta

| <u>Maintenance of plantation</u> | | | | | |
|--|---|-------|----------|------|--------------|
| <u>FIRST YEAR MAINTENANCE WITH 25% MORTALITY</u> | | | | | |
| SR. NO. | DESCRIPTION | UNITS | QUANTILY | RATE | AMOUNT (RS) |
| 1 | Re-digging of pits 60x60x60cm | Nos | 423 | 4.2 | 1777 |
| 2 | Filling of pits 60x60x60cm | Nos | 423 | 1.42 | 601 |
| 3 | Cost of plants | Nos | 423 | 7 | 2961 |
| 4 | Carriage of plants by vehicle | ----- | 423 | 1.5 | 635 |
| 5 | Carriage of plants on p. pages over a distance of ---km | Nos | 423 | 2 | 846 |
| 6 | Planning of entire plants | Nos | 423 | 7.36 | 3113 |
| 7 | Repair of fence | Rmt | 225 | 0.65 | 146 |
| 8 | Repair of fence plants | Nos | 25 | 2.35 | 59 |
| | Total | | | | 10138 |
| | Or say | | | | 10100 |
| <u>SECOND YEAR MAINTENANCE WITH 20% MORTALITY</u> | | | | | |
| SR. NO. | DESCRIPTION | UNITS | QUANTILY | RATE | AMOUNT (RS) |
| 1 | Re-digging of pits 60x60x60cm | Nos | 338 | 4.2 | 1420 |
| 2 | Filling of pits 60x60x60cm | Nos | 338 | 1.42 | 480 |
| 3 | Cost of plants | Nos | 338 | 7 | 2366 |
| 4 | Carriage of plants by vehicle | ----- | 338 | 1.5 | 507 |
| 5 | Carriage of plants on p. pages over a distance of ---km | Nos | 338 | 2 | 676 |
| 6 | Planning of entire plants | Nos | 338 | 7.36 | 2488 |
| 7 | Repair of fence | Rmt | 225 | 0.65 | 146 |
| 8 | Repair of fence plants | Nos | 25 | 2.35 | 59 |
| | Total | | | | 8142 |
| | Or say | | | | 8100 |


Assistant Engineer
 Jal Shakti Vibhag
 Sub Division Kalol


Executive Engineer
 Jal Shakti Division
 Jhandutta

THIRD & FOURTH YEAR MAINTENANCE WITH 15% MORTALITY

| SR. NO. | DESCRIPTION | UNITS | QUANTITY | RATE | AMOUNT (RS) |
|---------|---|-------|----------|------|----------------|
| 1 | Re-digging of pits 60x60x60cm | Nos | 254 | 4.2 | 1067 |
| 2 | Filling of pits 60x60x60cm | Nos | 254 | 1.42 | 361 |
| 3 | Cost of plants | Nos | 254 | 7 | 1778 |
| 4 | Carriage of plants by vehicle | ----- | 254 | 1.5 | 381 |
| 5 | Carriage of plants on p. pages over a distance of ---km | Nos | 254 | 2 | 508 |
| 6 | Planting of entire plants | Nos | 254 | 7.36 | 1869 |
| 7 | Repair of fence | Rmt | 225 | 0.65 | 146 |
| 8 | Repair of fence plants | Nos | 25 | 2.35 | 59 |
| | Total | | | | 6169 |
| | Or say | | | | 6200 |

FIFTH, SIXTH & SEVENTH YEAR MAINTENANCE WITH 10% MORTALITY

| SR. NO. | DESCRIPTION | UNITS | QUANTITY | RATE | AMOUNT (RS) |
|---------|---|-------|----------|------|----------------|
| 1 | Re-digging of pits 60x60x60cm | Nos | 169 | 4.2 | 710 |
| 2 | Filling of pits 60x60x60cm | Nos | 169 | 1.42 | 240 |
| 3 | Cost of plants | Nos | 169 | 7 | 1183 |
| 4 | Carriage of plants by vehicle | ----- | 169 | 1.5 | 254 |
| 5 | Carriage of plants on p. pages over a distance of ---km | Nos | 169 | 2 | 338 |
| 6 | Planting of entire plants | Nos | 169 | 7.36 | 1244 |
| 7 | Repair of fence | Rmt | 225 | 0.65 | 146 |
| 8 | Repair of fence plants | Nos | 25 | 2.35 | 59 |
| | Total | | | | 4174 |
| | Or say | | | | 4200 |


Assistant Engineer
 Jal Shakti Vibhag
 Sub Division Kalol


Executive Engineer
 Jal Shakti Division
 Jhandutta

Full Title of the Project:

Source level Augmentation of WSS/LWSS from Govind Sagar Lake at Kut Bounger under Jal Shakti Vibhag Sub-Division Kalol in Tehsil Jhandutta Distt. Bilaspur (H.P) (1.3463 Hectare)

File No. :

FP/HP/WATER/118984/2021

Date of Proposal:

09 Jan 2021

Muck Management Plan

| | | |
|-----|---|-------------------------|
| 1. | Total quantity of muck to be generated from cutting | 12795.78 m ³ |
| 2. | Deduction of useful stone as required under clauses of agreement to be executed by the Executive Engineer of Project implementing Unit division on behalf of Govt. of H.P. for suing in the project. (60% of the muck will be consumed in the Embankment of road, filling Behind R/Wall B/Wall) | 7677 m ³ |
| 3. | Net balance quantity of debris/muck | 5118 m ³ |
| 4. | Add quantity available on site with swell factor @ 25% on PW and JW | 3199 m ³ |
| | Total (A) | 8317 m ³ |
| 5. | Less for materials required for dumping in behind R/wall etc. @10% of A | 832 m ³ |
| 6. | Less for materials required for levelling of Site @ 15% of A | 1248 m ³ |
| 7. | Less materials/muck required for levelling/filling of Site on the analogy of half cutting and half fittings @ 40% of A | 3327 m ³ |
| | Total (B) | 5406 m ³ |
| 8. | Material/Muck left at site which will require carriage for proper dumping into the recognized sites as per the illustration of the Forest and Environment Ministry reinforced by various judgment of the Apex court of India i.e. (A-B) | 2199 m ³ |
| 9. | Design proposed for dumping site (attached) | 1 Nos |
| 10. | Total capacity of dumping site as per the detail attached | 3849.99 m ³ |
| 11. | Area in Hectare for Dumping Site | |
| | i) Forest area | 0.0624 Hect |
| | ii) Non Forest area | 0 |
| | iii) Total | 0.0624 Hect |


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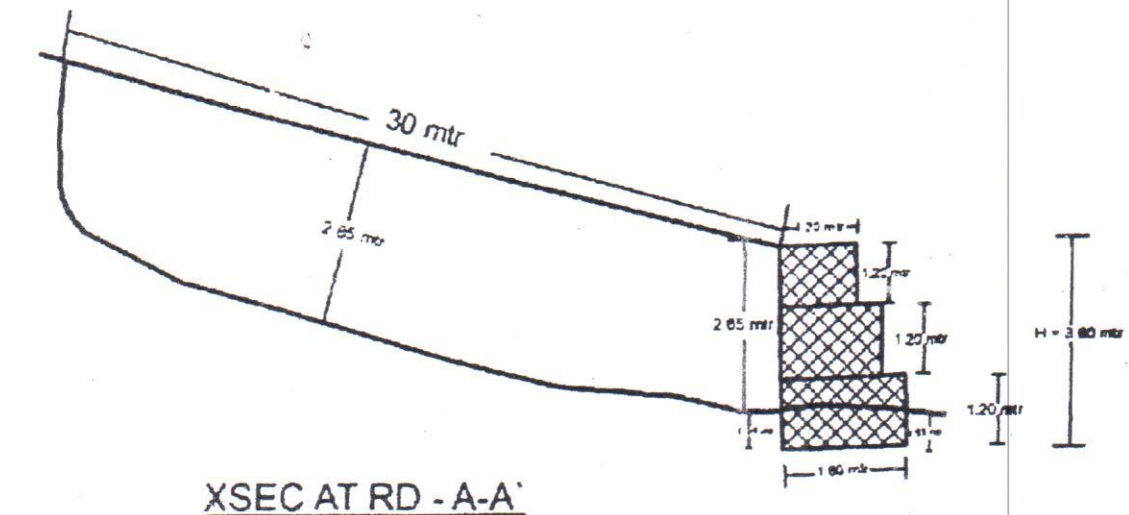
File No. :

FP/HP/WATER/118984/2021

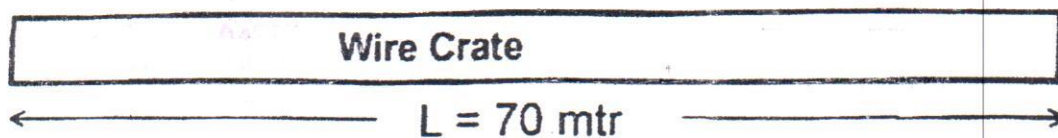
Date of Proposal:

09 Jan 2021

Reclamation Plan for Dumping Site



Dumping Area



$$\text{Area :- } 70 \times 30 \times \frac{0.00 + 2.85 + 2.65}{3} = 3849.99 \text{ m}^3$$


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Full Title of the Project:

Source level Augmentation of WSS/LWSS from Govind Sagar Lake at Kut Bounger under Jal Shakti Vibhag Sub-Division Kalol in Tehsil Jhandutta Distt. Bilaspur (H.P) (1.3463 Hectare).

File No. :

FP/HP/WATER/118984/2021

Date of Proposal:

09 Jan 2021

Component Wise Break-up

| Sr. No. | Description | Length in Meters | Width in Meters | Area in Hectare | |
|-----------------------|--|---------------------------------------|------------------|-----------------|-----------------|
| 1 | Wtp Structure At Mehfuja Mehdudu Baungri | 85 | 99.6 | 0.8466 | |
| 2 | Proposed Pump House At Gangloh | 50 | 27 | 0.1350 | |
| 3 | Proposed Water Storage Tank At Jungle Gochar | 15 | 5 | 0.0075 | |
| 4 | Proposed Water Storage Tank At Dholi Khala | 7.6 | 5 | 0.0038 | |
| 5 | Proposed Water Storage Tank At Tihri | 10 | 18.8 | 0.0188 | |
| 6 | Proposed Water Storage Tank At Malraon | 10 | 10 | 0.0100 | |
| 7 | Proposed Water Storage Tank At Silwin | 10 | 11.3 | 0.0113 | |
| 8 | First Proposed Water Storage Tank At Malhot | 10 | 11.3 | 0.0113 | |
| 9 | Second Proposed Water Storage Tank At Malhot | 10 | 11.3 | 0.0113 | |
| 10 | Proposed Water Storage Tank At Balh Chalogh | 15 | 5 | 0.0075 | |
| Total (A) | | | | 1.0631 | |
| Sr. No. | Description | Length in Meters | Width in Meters | Area in Hectare | |
| 1 | Approach Road | 146 | 4 | 0.0584 | |
| 2 | Dumping Site | 24 | 26 | 0.0624 | |
| Total (B) | | | | 0.1208 | |
| Sr. No. | Pipeline Proposed for Diversion | | Length in Meters | Width in Meters | Area in Hectare |
| | From | To | | | |
| 1 | WTP Kut Baunger | Existing Pump House at Jol | 1600 | 0.35 | 0.0560 |
| 2 | Existing Tank at Jhamradian | Proposed Tank at Jhamradian | 100 | 0.35 | 0.0035 |
| 3 | Existing Tank at Gornahri | Proposed Tank at Gornahri | 10 | 0.35 | 0.00035 |
| 4 | Village Doodian | Proposed Tank at Malraon | 1000 | 0.35 | 0.0350 |
| 5 | Existing Tank at Khaale (Kheri Tindi) | Proposed Tank at Khaale (Kheri Tindi) | 10 | 0.35 | 0.00035 |
| 6 | Existing Tank at Salwar | Proposed Tank at Salwar | 20 | 0.35 | 0.0007 |
| 7 | Existing Tank at Salwar | Proposed Tank at Changrot | 1900 | 0.35 | 0.0665 |
| Total (C) | | | | 0.1624 | |
| Grand Total A + B + C | | | | 1.3463 | |

Assistant Engineer,
Jal Shakti Vibhag,
Sub Division Kalol.

Executive Engineer,
Jal Shakti Division,
Jhandutta

No. HP/HQ/35/13/2019
Government of Himachal Pradesh
Department of Irrigation and Public Health

The Secretary (PH) to the
Government of Himachal Pradesh

The Engineer-in-Chief (PH),
Irrigation and Public Health Department,
Jal Shakti Bhawan, Ferozi Kandi, Shimla-05 (HP)

Dated: Shimla 17/10/2019, the 22/10/2019

Subject: *amendment to XXV provision regarding supply of water from a well through A.C. of A/C&P/S thereof.*

I am directed to refer to your letter No. HP/HQ/35/13/2019 dated 15-10-2019 on the subject cited above and to convey Administrative Approval and Expenditure Sanction of the Government for 02 No. Drinking Water Supply Projects of Tehsil Jhandulla, Distt. Jalandhar (as mentioned in the margin) for Rs. 3566 lakh + State share Rs. 396.28 lakh total - Rs. 3962.85 lakh (Thirty nine crore sixty six lakh and eighty five thousand) and approved under RIDF-XXV schemes of NABARD per details given in the list attached.

Attested

You are requested to take necessary action accordingly.

Yours faithfully,

Signature
Executive Engineer
Jal Shakti Division, Jhandutta

Signature
(Rajesh Sharma)
Special Secretary (PH) to the
Government of Himachal Pradesh
Tel. No. 614339

Encl. No. HP/HQ/35/13/2019 (2) - 1. Shimla 17/10/2019
Copy for information & necessary action forwarded to

- The Accountant General, HP, Shimla (1/10/19)
- The Senior Deputy Accountant General (A&P), Shimla-05 HP
- The S.E. (PH), P&I, Jal Shakti Bhawan, Shimla-05 HP
- The Joint Controller (A&P), Engineering, HP (PH) Shimla
- Encl. file

Special Secretary (PH) to the
Government of Himachal Pradesh

| Sr. No. | Name of scheme |
|---------|---|
| 1 | Water supply project - 01 (under A.C. of A/C&P/S) by providing 100% from Govt. share. Total cost of Rs. 3566 lakh + State share Rs. 396.28 lakh total - Rs. 3962.85 lakh (Thirty nine crore sixty six lakh and eighty five thousand) and approved under RIDF-XXV schemes of NABARD per details given in the list attached. |
| 2 | Replacement of old water supply project - 02 (under A.C. of A/C&P/S) by providing 100% from Govt. share. Total cost of Rs. 3566 lakh + State share Rs. 396.28 lakh total - Rs. 3962.85 lakh (Thirty nine crore sixty six lakh and eighty five thousand) and approved under RIDF-XXV schemes of NABARD per details given in the list attached. |