



**Government of Jammu and Kashmir
Department of Forest, Environment & Ecology
Civil Secretariat.**

Subject:- Use of 195.9619 Ha, of Forest land 188.7919 Ha of former KHANP Land in Marwah Forest Division and 7.2 Ha of Forest Land in Kishtwar Forest Division) for construction of Pakal Dul Hydro Electric Project Chenab Valley Power Project.

Reference: (i) Minutes of the 90th Forest Advisory Committee Meeting held on 03-10-2015 under the Chairmanship of Chief Secretary(Chairman FAC)J&K, issued by the Chief Conservator of Forests/Nodal Officer(FCA) vide No. PCCF/FCA/ 2033 /2019-40 dated 10-10-2015(Agenda Item No.90.06)
(ii) General Administration Department's U.O No.GDC-165/2015 dated 27-01-2016.
(iii) Letter No.PCCF/FCA/265-II/2229-30 dated 26-09-2016 received from Principal Chief Conservator of Forests,J&K.

Government Order No: 289 -FST-2016

D a t e d : 27 -11-2016 —

Sanction is hereby, accorded to, Use of **195.9621 Ha** of Forest land (188.7621 Ha of former KHANP Land in Marwah Forest Division and 7.2 Ha of Forest Land in Kishtwar Forest Division) for construction of Pakal Dul Hydro Electric Project Chenab Valley Power Project subject to the following terms and conditions:-

I. Proposal:-

| | | |
|----|---|---|
| 1. | User Agency/Applicant | Chenab Valley Power Project |
| 2. | Location: District: Kishtwar (i) Division: Marwah Compartment: 30h/D, 31a/D, 32/D, 33/D, 34a/D, 34b/D, 35a/D & 35b/D (ii) Division: Kishtwar Compartment: 1a/N | |
| 3. | Forest land involved | 188.7621 Ha (Marwah Forest Division) 7.2 Ha (Kishtwar Forest Division) |
| 4. | Crown Density | 50-60% (Marwah Forest Division) < 40% (Kishtwar Forest Division) |
| 5. | Whether the area involved forms part of the wildlife Protected Area | Forest Land(left bank of Marusudar river) proposed in current proposal was part of KHANP Land which has been de-notified as per SRO-212 dated 06.07.2015 issued by the Government of J&K. |
| 6. | Details of the forest land required; | |
| | S.No | Details/Classification of Forest area |
| | | Forest land in (Ha) |
| | Marwah Forest Division | |
| | i | Forest land in Reservoir Submergence Area upto EL: 1710 M |
| | ii. | Land required for HRT road |
| | iii. | Downstream of Dam site for Muck Disposal area and other facilities area like internal, roads, temporary sheds etc. |
| | iv. | Underground area to be used for Head Race Tunnel and |
| | | 128.51573 |
| | | 4.79640 |
| | | 48.07374 |
| | | 7.376 |

(Update)
J(AA)/Suj.
copy to all concerned
for m/a.
27/11/16
CFC(PEA)
Pa n/a
27/11/16

| | | |
|---|-------------------------------------|------------|
| | diversion tunnel | |
| | Total | 188.7619 ✓ |
| | Kishtwar Forest Division | |
| V | 2 Nos Head Race Tunnel | 7.2 |
| | Grand Total of Forest land required | 195.9619Ha |

7. **Muck Disposal Plan:**

| S.No. | Item | Quantity (Cum) |
|-------|-----------------------------------|----------------|
| i. | Dam Area | 4325970 |
| ii. | Head Race Tunnel | 1421010 |
| iii. | Power House Area | 1183992 |
| iv. | Total Muck likely to be generated | 70 Lac Cum |
| v. | Muck to be utilized about 50% | 34 Lac Cum |
| vi. | Balance Muck to be rehabilitated | 36 Lac Cum |

Utilization of Balance quantity of Muck

| S. No. | Dumping Sites | Area (Ha.) | Quantity to be dumped |
|--------|--|------------------|-----------------------|
| 1. | Power House Site- Dumping Site D1- Dul | 10.34 | 14 Lac Cum |
| 2. | Dam Site- Dumping Site D2-Marwah | 12.45 | 22 Lac Cum |
| | Total | 22.79 Ha. | 36 Lac Cum |

8. **No. of Trees/Poles/Saplings;**
(I) **Marwah Forest Division:**

| Comptt. | Species | Trees (30-40cm & above) | Poles (20-30cm & 10-20cm) | Saplings (0-10cm) | Total |
|-----------------------------|--------------|-------------------------|---------------------------|-------------------|------------|
| (a) Submergence area | | | | | |
| 30h/D | Deodar Green | 101 | 12 | 80 | 193 |
| | Deodar Dry | 1 | 0 | 0 | 1 |
| | Kail Green | 17s | 11 | 72 | 100 |
| | Kail Dry | 0 | 0 | 0 | 0 |
| | B. Leaves | 18 | 8 | 24 | 50 |
| | Total | 137 | 31 | 176 | 344 |
| 31a/D | Deodar Green | 43 | 7 | 26 | 76 |
| | Deodar Dry | 0 | 0 | 0 | 0 |
| | Kail Green | 15 | 4 | 40 | 59 |
| | Kail Dry | 0 | 0 | 0 | 0 |
| | B. Leaves | 36 | 19 | 57 | 112 |
| | Total | 94 | 30 | 123 | 247 |
| 32/D | Deodar Green | 19 | 0 | 0 | 19 |
| | Deodar Dry | 0 | 0 | 0 | 0 |
| | Kail Green | 2 | 0 | 36 | 38 |
| | Kail Dry | 0 | 0 | 0 | 0 |
| | B. Leaves | 429 | 36 | 94 | 559 |
| | Total | 450 | 36 | 130 | 616 |

2A

| | | | | | |
|--|--------------|-------------|-------------|-------------|-------------|
| 33/D | Deodar Green | 246 | 23 | 43 | 312 |
| | Deodar Dry | 4 | 0 | 0 | 4 |
| | Kail Green | 7 | 16 | 96 | 119 |
| | Kail Dry | 0 | 0 | 0 | 0 |
| | B. Leaves | 375 | 56 | 504 | 935 |
| | Total | 632 | 95 | 643 | 1370 |
| 34a/D | Deodar Green | 639 | 70 | 96 | 805 |
| | Deodar Dry | 22 | 0 | 0 | 22 |
| | Kail Green | 472 | 40 | 70 | 582 |
| | Kail Dry | 7 | 0 | 0 | 7 |
| | B. Leaves | 277 | 91 | 720 | 1088 |
| | Total | 1417 | 201 | 886 | 2504 |
| (b) Area to be used for Head Race Tunnel Road (from EL. 1710m to 1760m) | | | | | |
| 34a/D | Deodar Green | 12 | 0 | 2 | 14 |
| | Deodar Dry | 0 | 0 | 0 | 0 |
| | Kail Green | 81 | 4 | 9 | 94 |
| | Kail Dry | 2 | 0 | 0 | 2 |
| | B. Leaves | 0 | 0 | 0 | 0 |
| | Total | 95 | 4 | 11 | 110 |
| (c) Area to be used for Muck Disposal and other Construction Facilities | | | | | |
| 34b/D | Deodar Green | 89 | 29 | 69 | 187 |
| | Deodar Dry | 2 | 0 | 0 | 2 |
| | Kail Green | 10 | 0 | 14 | 24 |
| | Kail Dry | 1 | 0 | 0 | 1 |
| | B. Leaves | 31 | 1193 | 3 | 1227 |
| | Total | 133 | 1222 | 86 | 1441 |
| 35a/D | Deodar Green | 0 | 0 | 0 | 0 |
| | Deodar Dry | 0 | 0 | 0 | 0 |
| | Kail Green | 0 | 0 | 0 | 0 |
| | Kail Dry | 0 | 0 | 0 | 0 |
| | B. Leaves | 1 | 0 | 0 | 1 |
| | Total | 1 | 0 | 0 | 1 |
| Grand Total (a+b+c) | | 2959 | 1619 | 2055 | 6633 |

(II) Kishtwar Forest Division:

No trees/poles/saplings are involved

(III) Abstract of trees/poles/saplings involved:

| Species | Trees (30-40cm & above) | Poles (20-30cm & 10- 20cm) | Saplings (0-10cm) | Total |
|--------------|-------------------------------|----------------------------------|----------------------|-------|
| Deodar green | 1149 | 141 | 316 | 1606 |
| Deodar dry | 29 | 0 | 0 | 29 |
| Kail Green | 604 | 75 | 337 | 1016 |
| Kail dry | 10 | 0 | 0 | 10 |
| Broad leaved | 1167 | 1403 | 1402 | 3972 |

| Total | 2959 | 1619 | 2055 | 6633 | | |
|-----------------------|---|-------------------|---------------|-----------------|-----------------------|-------------------------|
| 9. Net Present Value; | | | | | | |
| Division | Comptt | Forest Area (Ha.) | Crop Density | Eco-Value Class | Rate/ Ha (Rs. In Lac) | Amount (Rs.) |
| Marwah | 30h/D, 31a/D, 32/D, 33/D, 34a/D, 34b/D, 35a/D & 35b/D | 188.7621 | Dense | VI | 8.97x10 | Rs. 1,69,31,96,037/- |
| Kishtwar | 1a/N | 7.2 | Less than 40% | VI | 6.99 | Rs.50,32800/- |
| 10. | Compensatory Afforestation : | | | | | |
| | (I) Marwah Forest Division; (degraded forest area of 362.7722 Ha. Forest land to be diverted @ Rs.100,000/- per hectare) | | | | | Rs.3,62,77,220/- |
| | (II) Kishtwar Forest Division; | | | | | NIL |
| 11. | Compensation of Trees: | | | | | |
| | (I) Marwah Forest Division; | | | | | Rs.4,75,49,000/- |
| | (II) Kishtwar Forest Division | | | | | NIL |

II. Terms and Condition:-

1. The proprietary and legal status of forest land shall remain unchanged.
2. The forest land shall be utilized only for the purpose for which it has been indented, that too under close supervision and periodical spot inspection of the concerned Forest Department Officers. The reports of the concerned DCF shall be submitted to the FAC Cell in the Office of Principal Chief Conservator of Forests, J&K with copies to the Administrative Department.
3. The forest land shall not be mortgaged, reassigned, leased or sub-leased by user agency in any manner what so ever to any other agency.
4. The User Agency has made the payment in full as reported by the Nodal Officer, FCA, vide letter dated 26.02.2016.
5. The User Agency shall pay the additional amount of NPV, if so determined as per decision of the Hon'ble Supreme Court of India.
6. The extraction of the trees/poles shall be done by the State Forest Corporation/Divisional Forest Officer concerned on the basis of markings administratively approved by the Chief Conservator of Forests, Jammu. The cost of extraction and transportation shall be paid by the User Agency directly to the agency executing the extraction.
7. The User Agency shall construct retaining walls/breast walls on forest land and take all necessary steps to check soil erosion which may result due to proposed project. The Forest Department shall take due cognizance under law for any laxity on this account on the part of the User Agency which might trigger soil erosion in the area.

8. The User Agency shall be responsible for the eco-restoration of the muck dumping sites identified on forest land through engineering and biological means and keeping due provision in the revised DPR for the same.
9. Any damage done to the forest by the User Agency or its employees and contractors or people employed by them shall be charged from the User Agency @ 10 times the standard rate of 1992.
10. The User Agency and or its contractors will not bring any forest area under their use, other than the actual area / activity approved by the Government for the instant proposal. Any laxity or deviation on this account by the user agency or its contractors will attract penal provisions of the relevant Acts / legal provisions.
11. The forest land so allowed for use shall return to the Forest Department free of any encumbrances when it is no longer required by the User Agency.
12. The User Agency shall be responsible for obtaining requisite clearances under any other law in vogue before commissioning of the project.

By order of the Government of Jammu and Kashmir

Sd/-

(Muhammad Afzal) (IAS)
Commissioner/ Secretary to Government
Department of Forests, Environment & Ecology.

Dated:- 29 -11-2016

No:FST/Land/84/2015

Copy to the:-

1. Secretary to the Government of India, Ministry of Environment, Forests and Climate Change, New Delhi.
2. Secretary to Government of India, Ministry of Power, Sharam Shakti Bhawan, Rafi Marg, New Delhi.
3. Principal Secretary to Government, PDD, Department.
4. Principal Chief Conservator of Forests, J&K, Jammu.
5. Divisional Commissioner Kashmir for information.
6. Director, Soil & Water Conservation Department, J&K, Jammu.
7. Director, Archives, Archaeology & Museums J&K, Jammu.
8. General Manager, Chenab Valley Power Project, (CVPP) Jammu.
9. CCF/Nodal Officer, FCA, office of the PCCF, J&K, Srinagar..
10. Officer on Special Duty with the Hon'ble Minister for forests, Environment & Ecology.
11. Private Secretary to the Chief Secretary (Chairman FAC)
12. Private Secretary to Hon'ble MoS for forest, Environment & Ecology.
13. Private Secretary to Commissioner/.Secretary to Government, Department of Forests, Environment & Ecology
14. P.A to Special (Technical) Department of Forest, Environment & Ecology
15. Government order file/Stock file.

(Mohammad Amin)
Under Secretary to Government
Forest, Env. & Ecology Department

29/11/2016