

Office of the Chief Engineer,
Project Planning Formulation & Investigation,
Odisha, Bhubaneswar

No. CE (P) W/ FC-52/2018
From,

634

Date 16.02.2019

Er. G.P.Roy
Chief Engineer, PPF&I

To,

✓ The Additional PCCF and Nodal Officer (FC Act)
Office of the Principal Chief Conservator of Forest
Aranya Bhawan, Bhubaneswar

Sub: Authorization in favour of Executive Engineer, Kalahandi Investigation Division for signing the forest diversion proposal of Upper Udanti Barrage Project

Sir,

With reference to the subject cited above, Sri Santosh Kumar Panigrahi, Executive Engineer, Kalahandi Investigation Division, Bhawanipatna is hereby authorized to sign and submit the Forest Diversion Proposal of Upper Udanti Barrage Project under Department of Water Resources, Government of Odisha. His signature is attested below.

He is also authorized to sign documents whenever required for this purpose.

Signature [Signature]

Name: Sri Santosh Kumar Panigrahi

Designation: Executive Engineer, Kalahandi Inv. Division, Bhawanipatna

Signature of Sri Panigrahi is attested.

[Signature] 16/02/2019
Chief Engineer, PPF&I
Chief Engineer,
PPF & Investigation, Odisha
Sechasadan, Bhubaneswar

Yours faithfully,

[Signature] 16/02/2019
Chief Engineer, PPF&I

Memo No 635 Date 16.02.2019

Copy forwarded to the Divisional Forest Officer, Khariar Forest Division for information and necessary action.

[Signature] 16/02/2019
Chief Engineer, PPF&I

Memo No 636 Date 16.02.2019

Copy forwarded to the Executive Engineer, Kalahandi Investigation Division, Bhawanipatna for information and necessary action.

[Signature] 16/02/2019
Chief Engineer, PPF&I

Memo No 637 Date 16.02.2019

Copy forwarded to the Superintending Engineer, Southern Investigation Circle, Berhampur for information and necessary action.

[Signature] 16/02/2019
Chief Engineer, PPF&I

Central Water Commission
Irrigation Planning (S) Directorate

203 (S), Sewa Bhavan
R. K. Puram, New Delhi-110066

Sub: Feasibility Report of Upper Udanti Irrigation Project — Orissa.

Ref: No. 12/163/2008 - PA(S)/921 dated 14-08-08.

The feasibility report of Upper Udanti Irrigation project Orissa has been received from PA(S) Directorate vide their letter under reference above. The same has been examined in respect of irrigation planning aspects and comments/observation of the project is as given below:

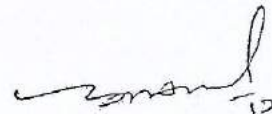
Comments

- i) The Upper Udanti Irrigation project, Orissa is proposed on river Udanti of Tel Sub-basin. It is to mention that earlier state Govt. of Orissa has proposed a project, Uttei-Roul Project, in Tel Sub-basin and submitted to CWC for according "In Principle" clearance. It is therefore desired to furnish a master plan for Tel Sub-basin /Mahanadhi basin within the allotted /agreed share of water for Orissa for better appreciation and establishing the water availability aspects for upcoming projects including present proposal in Tel Sub-basin. This aspect may be examined by Hydrology directorate, CWC.
- ii) The total 75% dependable yield from the total catchments of 1027 Sq.km is estimated to be 593.50 Mcum. The estimated yield is proportionately reduced for 882 sq.km for utilization in orissa leaving out 20% for upstream development in Chhatishgarh as per the decision taken in the inter state meeting between M.P (present Chhatishgarh) & Orissa on 01.08.1982. The net 75 % yield has been mentioned as 500.29 Mcum. The balance yields are further reduced considering 10% upstream &10% down stream utilization in Orissa. The net 75-% dependable yield available for utilization through this project is 400.24 Mcum. The net yield so adopted has to be got approved from the Hydrology Directorate of CWC to ascertain the water availability for the project.

- iii) The project is planned at the tributaries of Tel-Sub basin of Mahanadhi basin. The views of ISM Directorate of CWC may be obtained in respect of interstate aspect of the project.
- iv) The crop water requirement has been worked out with 115% intensity of irrigation where as the State agricultural Department approval shows 135 % intensity of irrigation, the same needs to be rectified before taking up the work of DPR.
- v) The total water demand of this project is mentioned as 325.76 Mcum, which includes irrigation demand of 277.50 Mcum, 3.60 Mcum of drinking water and 44.65 Mcum of industrial use but excluding the evaporation losses. In case the intensity of irrigation is taken as 135 % then the irrigation demand may be worked out accordingly and success ratio be also established to be more than 75 %.
- vi) The possibility for conjunctive use planning may be explored and incorporated in the DPR in consultation with CGWB/State Ground Water Board in case of any short fall in demand etc.
- vii) The B. C. ratio has not been worked out in the feasibility report. The B.C Ratio may be ascertained to be more than 1.5 so as to establish the economic viability of the project before taking up the work of DPR.

In view of above, the project can be considered acceptable for according "In Principle" clearance for preparation of D.P.R from Irrigation Planning angle subject to the above.

This issue with the approval of CE (IMO)


(Y. K. SHARMA)
DIRECTOR, IP(S)

Director, PA(S), CWC, Sewa Bhawan, R. K. Puram, New Delhi
CWC I.D. No. : 2/1394/Vol.I/IP(S)/2008/702 Dated: 12/11/08