

**Abstract**

IHEP- Design, Engineering, Manufacturing and Supply at site 4 Nos. of dry type cast resin exciter transformers for the first & second stage units at Moolamattom-awarding the work to the lone bidder- below 5.56% of the PAC- Sanction Accorded– Orders issued.

Corporate Office (SBU-G/E)

B.O. (FTD) No.330 /2021 (No. DGE/G3/IHEP-Excitation Transformer/2021-22) Tvpmm dated: 06-05-2021

- Read:-
1. Letter No.CEG/AEE-I/IHEP/E&C Excitation Trfr/2021-22/94 dated 20-04-2021 of the Chief Engineer (Generation & PED), Moolamattom and the accompaniments.
 2. Clarification obtained vide Letter No.CEG/AEE-I/IHEP/E&C Excitation Trfr/2021-22/149 dated : 26-04-2021 of the Chief Engineer (Generation & PED), Moolamattom.
 3. Note No.DGE/G3/ IHEP-Excitation Transformer /2021-22 dated 28-04-2021 of the Director (GE & SCM)(Agenda item No.86/04/21)

ORDER

The Chief Engineer (Generation & PED) ,Moolamattom, as per letter read as 1st above has reported that four out of the total six nos. of exciter transformers, in service at IHEP surpassed its expected life , are to be replaced at the earliest, for safety reasons and reliable operation of the excitation system .

The 780 MW(6x130MW) Idukki underground hydroelectric power station (IHEP) is the largest power station in Kerala , playing a vital role on the stability of southern grid ever since it was commissioned. The first stage units (Unit#1, Unit#2 & Unit#3) were commissioned in 1976 whereas the second stage units (Unit#4, Unit#5 & Unit#6) were commissioned in 1986. There are six nos. of Exciter Transformers in service, one each for the six generating units. The exciter transformers of both stages are of different ratings, for the first stage they are of 629kVA,11000/371 V ,where as that of second stage is 855kVA,11000/416 V. Later, the rating of first stage excitation transformers were enhanced to 720kVA with two tapings of 391 V and 371 V ,to suit the design criteria of renovated exciters, during the R&M works of the first stage units ,which was completed during the year 2020.

It is reported that there were one spare transformer, for each stage which were used for replacing the damaged transformers of unit#2 and #6 on 20-01-2020 & 01-02-2020 , respectively ,subsequent to the accidents occurred in those machines. Hence, no spare transformers are available at the station to meet exigencies. In order to keep adequate spare for the two stages ,the Chief Engineer (Generation & PED) has reported the requirement.

Accordingly, budgetary offer was collected from M/s Vinker Techno marketing Company, the authorized representative of M/s Ames Impex, a reputed and leading supplier of dry type ,resin cast transformers, for preparation of the estimate. Administrative Sanction for an estimate amounting to Rs.99,00,000/- followed by Technical Sanction was issued within the prevailing delegated limits of the Chief Engineer(Generation & PED),Moolamattom. Subsequently, e-tender was floated with a PAC of Rs.83,50,000/-,for the procurement of 2 Nos. of dry type cast resin ET with rating 855kVA ,11000/416V (for second stage) along with 2 Nos. of dry type cast resin ET with rating 720kVA,11000/391-371 V (for first stage),with bush type CTs and enclosure. Four bidders participated and during technical evaluation no bidder was qualified and the tender was cancelled.

On Re-tender ,five bidders participated. Upon verification and perusal of technical and financial parameters ,four of them were rejected, as they were not furnished the necessary experience/performance certificates mandated by the tender. So, the lone bidder M/s Ames Impex Electricals Pvt. Ltd.was qualified and the financial bid was opened on 18-03-2021 .The amount quoted by the lone bidder was Rs.78,86,000/- (Rs.93,05,480/- with GST) which is 5.56% below the PAC. Upon negotiation the lone bidder has offered a further discount of Rs.1.5 lakh on the total Ex-work price ,subject to the condition that the validity of their offer will be up to 30-04-2021 only.

Considering the urgency of procurement and the limitation in the prevailing delegation , the Chief Engineer (Generation & PED) has requested sanction to place work order to the lone bidder at their negotiated rock bottom rate of 5.56% below the estimated PAC.

In this matter ,clarification regarding the reliability of the firm and their customer base were obtained as per the letter read as 2nd above. It is reported that, M/s Ames Impex make Exciter transformers are in service at Sabarigiri HEP and Kakkad Power Station ,which are working satisfactorily. Also reported that M/s Impex is in the customer list of the leading firms like M/s NHPC ,M/s ABB ,M/s Siemens, M/s Schnider, M/s Crompton etc.

The matter was placed before the Full Time Directors as per note read as 3rd above. Having considered the matter in detail, the Full Time Directors meeting held on 30-04-2021, resolved to authorize the Chief Engineer(Generation & PED),Moolamattom, to place work order to the lone bidder, M/s Ames Impex, Gujarat ,at their all-inclusive quoted rate of 5.56% ,below the estimated PAC, for the Design, Engineering, Manufacturing and Supply of 4 Nos. of dry type cast resin exciter transformers for the use at first and second stage machines at IHEP.

Orders are issued accordingly.

By Order of the Full Time Directors,

Sd/-
(LEKHA.G)
Company Secretary
(In-charge.)

To:

The Chief Engineer (Generation& PED), Moolamattom.

Copy to:

The Deputy Chief Engineer ,Generation Circle, Moolamattom

The Chief Internal Auditor,

The TA to CMD/D(GE&SCM)/ D(TSO)/ D(DIT&HRM)/D(GC)/D(P&S)

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