

From
The Engineer-in-Chief,
Irrigation,
I & CAD Department,
Errum Manzil,
HYDERABAD,

To:
The Chief Engineer (Projects),
Irrigation,
KADAPA

Letter No. ENC/TW/P&M/EE.III/DEE.10/AE/REs/Vol.9/

Dated 19-12-2012.

Sir,

Sub: Revised Estimates – Certain observations/Findings by the Committee of Chief Engineers on Revised estimates – Necessary Instructions Communicated – Reg.

Ref: 1) G.O.Ms.No.128, Irrigation and CAD (General) Dept, dt.13-8-2003.
2) G.O.Ms.No.94, Irrigation and CAD (~~General~~) Dept, dt.1-7-2003.
3) G.O.Ms.No.1, Finance (works & Projects-F.7 Dept, dt.25.2.2012

While inviting the attention to the reference 1st cited wherein the Government have constituted Committee of Chief engineers for examining the proposals of Revised Estimates which is to be approved at Government level. While examining the RE proposals by the committee the following observations are made and the guidelines to be followed are here ^{by} communicated.

1. No. of estimates are being sanctioned technically without prior approval of designs and drawings by the competent authorities and even in some cases lands are also not acquired which is causing hindrance to the works and leading to subsequent change in designs and drawings leading to huge variation in quantities and thereby necessitating revision of estimates. Further, LA ^{Provision} ~~revision~~ is also being made tentatively without obtaining realistic cost from the respective Land Acquisition Officers which is also leading to abnormal variation in L.A. cost also. In some revised estimates, it is observed that there is huge variation due to change in classification of soils. This is due to improper assessment of classification of soils at the time of Technical sanction, as proper care is not being taken in excavation of Trial Pits as per rules and assessing the correct classification in a proper way.
2. Further, it is also observed that no. of deviations in execution of works are being incorporated in the REs supported with inspection report of Officers other than Technical Sanctioning Authority i.e., EE or SE ^{When} ~~were~~ Technical sanction Authority is Chief Engineer.

This is highly irregular. For all works, where Technical Sanction is accorded by C.E., the C.E. is only competent authority to approve any deviation after inspecting the site and confirming that the deviations are essential to complete that work.

Any deviation approval is to be accorded by the General Technical Sanctioning Authority or by the Competent Authority as per their purview based on percentage of excess as per codal rules before taking up deviation works. The REs are to be submitted duly enclosing the deviation approvals accorded.

3. In some Revised Estimates, Leads and Lifts are also being changed during execution and this attributes to improper investigations and taking up the works without proper assessing the requirements based on site conditions.

As per rules in vogue, Leads cannot be changed unless until the Government approval is obtained vide Minutes of the Committee of Chief Engineers meeting held in the Chambers of Engineer-in-Chief (I.W.), Jalasoudha, Hyderabad on 03-9-2011 at 3.30 P.M. communicated with Lr.No.ENC/IW/P&M/EE.III/DEE.10/AE/REs/Vol.8/11 dated 06-09-2011.

4. In some Revised Estimates, the canal HPs and CM & CD works are being incorporated on tentative basis based on some old design guidelines and later on changing the alignments, designs and calculating the detailed estimates for CM & CD works as per CE/CDO drawings after entrusting the works to the agencies leading to huge increase over the Technical sanction.

This should be avoided and all HPs for canals and detailed estimates for CM & CD works should be prepared duly obtaining necessary designs and drawings from CE/CDO or by the competent authority and incorporated at the time of Technical Sanction itself after thorough investigation.

5. Further, there are variations in the adoption of bund sections in the formation of Earthen Embankments. The top width and slopes are being changed after entrusting the work which is causing a lot of upward variation in the cost of estimates which should be avoided.
6. The COT excavation and filling with Hearting Soils are being proposed as $\frac{1}{2}$ FRL. Subsequently, during execution, the COT excavations are being executed beyond $\frac{1}{2}$ FRL keying into hard strata and even in some cases the slopes of COT excavation are also being changed as per the site conditions resulting in abnormal increase over the sanctioned provisions. Further, in some works, it is observed even after executing positive COT also, the Clay Blankets are provided which is not necessary.

It is in this context, the attention of Engineer-in-Chief and Chief Engineers is invited to the clear instructions issued by the Government vide G.O.Ms.No.94 dated 1-7-2003 wherein it is instructed to obtain Stage-I and Stage-II Administrative Approvals. The Stage-II approval will be accorded only after designs are finalized, detailed investigations are completed and lands are acquired for taking up works without interruption for the first two years and further as per Government circular Memo.No.19507/Maj.Irrigation.III (1)/06-4, dt.17-2-2007, the Government have clearly stated that the Revised Estimates of works submitted to Government are due to changes in designs and classification of soils etc. and this attributes to improper investigations and taking up the works in haste without proper assessing the requirements and on account of not having sufficient data, which is quite avoidable and such actions lead to Financial Commitments.

It is also reiterated in the G.O.Ms.No.1 (Finance and Projects-F7) Dept. dated 25-2-2012, vide Para (6) to adhere to the instructions laid in G.O.Ms.No.94 dated 1-7-2003.

In view of the above the Chief Engineers are requested to strictly adhere to the instructions stipulated in G.O.Ms.No.94 dated 1-7-2003 and G.O.ms.No.1 dated 25-2-2012 in order to avoid deviations during executions and going for Revised Estimates.

In case it becomes necessary to go for Revised Estimate, the Revised Estimates must be supported with all necessary enclosures as per the guidelines given by Government vide Memo.No.13687/General-II/03-1 dated 21-10-2003 supporting with Check slips, Detailed report, Comparative statements with analysis of excess amplified vide Memo.No.2665-^{NSP}~~NSP~~.I/79-1 dated 8-11-1979 and supporting with all Inspection Reports, Agreement Copies, Drawings, HPs, Quality Control Certificates, Verification Certificates of Competent Authorities for change in classifications.

The provisions made in the Agreement conditions are to be invariably followed in the preparation of the R.E. and the conditions are to be in accordance with the Govt. Orders in force. Further, the intention of the design of concrete mix in any work is not only to achieve the required assured strength but also to achieve economy. The economy achieved in the work by designing the concrete mix shall be credited to the work and the design mix is only to be adopted wherever it is prescribed in the approved drawings.

The Agreement conditions may be thoroughly verified before provisions in the Revised Estimates.

Yours faithfully,
Sd/- L.Narayan Reddy, 19/12/12
Engineer-in-Chief (I.W).

Office of the Chief Engineer (Projects),
Irrigation, Kadapa.

Endt.No.CE(P)/Irrgn/Kdp/TS.3/F.1/86

dated 4-1-2013.

Copy communicated to all the Superintending Engineers for information and requested to follow the above instructions scrupulously.

Copy communicated to TS1,TS2 and DCE.2,TGP Wing of this office for information and necessary action

G.Chitti Babu,
Chief Engineer (Projects),
Irrigation, Kadapa.

//t.c.f.//

Sd/--

Dy.Executive Engineer.

Office of the Chief Engineer (Projects),
Irrigation, Kadapa.

Endt.No.CE(P)/Irrgn/Kdp/DCE.2/DEE/AE.3/F.1956/08/V.4/

dt.17-4-2013.

Copy of letter forwarded to the AE.1, AE.2, AE.3 and AE.4 for information and necessary action while dealing Revised Estimates.

G.Devadas,
Chief Engineer (Projects),
Irrigation, Kadapa.

//t.c.f.//


DY.EXECUTIVE ENGINEER

From

L. Narayan Reddy, M.Tech.,
Engineer-in-Chief(I.W.),
Irrigation & CAD Dept.,
Jalasoudha Building,
Errummanzli,
Hyderabad

To

The Chief Engineers (Projects)
Irrigation, Kadapa

Lr. No. ENC/IW/P&M/FE-III/DEE10/AE/RES/Vol. 9 Dt.19.12.12

Sir,

Sub: Revised Estimates - Certain Observations/Findings by the
Committee of Chief Engineers on Revised Estimates- Necessary
Instructions Communicated - Reg.

Ref: 1. G.O. Ms. No. 128, Irrigation and CAD(General) Dept. dt.
13.8.2003
2. G.O. Ms. No. 94, Irrigation and CAD (PW-COD) Dept., dt.
1.7.2003
3. G.O. Ms. No. 1, Finance (Works & Projects-F7) Dept., dt.
25.2.2012

While inviting the attention to the reference 1st cited
wherein the Government have constituted Committee of Chief Engineers for
examining the proposals of Revised Estimates which is to be approved at
Government Level. While examining the RE proposals by the Committee the
following observations are made and the guidelines to be followed are hereby
communicated.

1. No of estimates are being sanctioned technically without prior
approval of designs and drawings by the competent authorities and
even in some cases lands are also not acquired which is causing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

T-22
Sanctioned
10/12/12
10/12/12
10/12/12

AE3
9/12/13
17.1.13
AE3
13

(2)

hindrance to the works and leading to subsequent change in designs and drawings leading to huge variation in quantities and thereby necessitating revision of estimates. Further, LA provision is also being made tentatively without obtaining realistic cost from the respective Land Acquisition Officers which is also leading to abnormal variation in L.A. cost also. In some revised estimates, it is observed that there is huge variation due to change in classification of soils. This is due to improper assessment of classification of soils at the time of Technical Sanctions as proper care is not being taken in excavation of Trial Pits as per rules and assessing the correct classification in a proper way.

2. Further, it is also observed that no. of deviations in execution of works are being incorporated in the REs supported with inspection report of Officers other than Technical Sanctioning Authority i.e., EE or SE where Technical Sanction Authority is Chief Engineer.

This is highly irregular. For all works, where Technical Sanction is accorded by C.E., the C.E. is only competent authority to approve any deviation after inspecting the site and confirming that the deviations are essential to complete that work.

Any deviation approval is to be accorded by the General Technical Sanctioning Authority or by the Competent Authority as per their purview based on percentage of excess as per codal rules before taking up deviation works. The REs are to be submitted duly enclosing the deviation approvals accorded.

3. In some Revised Estimates, Leads and Lifts are also being changed during execution and this attributes to improper investigations and taking up the works without proper assessing the requirements based on site conditions.

As per rules in vogue, Leads cannot be changed unless until the government approval is obtained vide Minutes of the Committee of Chief Engineers meeting held in the Chambers of Engineer-in-Chief (I.W.), Jalasoudha, Hyderabad on 03.9.2011 at 3.30 P.M.

communicated with Lr. No.

ENC/IW/P&M/EE.III/DEE.10/AE/REs/Vol.8/11 Dt. 06.09.2011.

4. In some Revised Estimates, the canal HPs and CM&CD works are being incorporated on tentative basis based on some old design guidelines and later on changing the alignments, designs and calculating the detailed estimates for CM&CD works as per CE/CDO drawings after entrusting the works to the agencies leading to huge increase over the Technical Sanctions.

This should be avoided and all HPs for canals and detailed estimates for CM& CD works should be prepared duly obtaining necessary designs and drawings from CE/CDO or by the competent authority and incorporated at the time of Technical Sanction itself after thorough investigation.

5. Further, there are variations in the adoption of bund sections in the formation of Earthen Embankments. The top width and slopes are being changed after entrusting the work which is causing a lot of upward variation in the cost of estimates which should be avoided.
6. The COT excavation and filling with Hearting Soils are being proposed as $\frac{1}{2}$ FRL. Subsequently, during execution, the COT excavations are being executed beyond $\frac{1}{2}$ FRL keying into hard strata and even in some cases the slopes of COT excavations are also being changed as per the site conditions resulting in abnormal increase over the sanctioned provisions. Further, in some works, it is observed even after executing positive COT also, the Clay Blankets are provided which is not necessary.

It is in this context, the attention of Engineers-in-Chief and Chief Engineers is invited to the clear Instructions issued by the Government vide G.O. Ms. No. 94 dt. 1.7.2003 wherein it is instructed to obtain Stage-I & Stage-II Administrative Approvals. The Stage-II approval will be accorded only after designs are finalized, detailed investigations are completed and lands are acquired for taking up works without interruption for the first two years and further as per Government circular Memo No.

4

19507/Maj.Irrigation.III(1)/06-4, Dt. 17.2.2007, the Government have clearly stated that the Revised Estimates of works submitted to Government are due to changes in designs and classification of soils etc. and this attributes to improper investigations and taking up the works in haste without proper assessing the requirements and on account of not having sufficient data, which is quite avoidable and such actions lead to Financial Commitments.

It is also reiterated in the GO. Ms. No. 1(Finance & Projects-F7) Dept. Dt. 25.2.2012, vide Para(6) to adhere to the instructions laid in G.O. Ms. No. 94 dt. 1.7.2003.

In view of the above, The Chief Engineers are requested to strictly adhere to the instructions stipulated in GO Ms. No. 94 dt. 1.7.2003 and G.O. Ms. No. 1 dt. 25.2.2012 in order to avoid deviations during executions and going for Revised Estimates.

In case it becomes necessary to go for Revised Estimate, the Revised Estimates must be supported with all necessary enclosures as per the guidelines given by Government vide Memo No. 13687/General-II/03-1 dt. 21.10.2003 supporting with Checkslips, Detailed report, Comparative Statements with analysis of excess amplified vide Memo. No. 2665-NSP.I/79-1 dt. 08.11.79 and supporting with all Inspection Reports, Agreement Copies, Drawings, HPs, Quality Control Certificates, Verification Certificates of Competent Authorities for change in classifications.

The provisions made in the Agreement Conditions are to be invariably followed in the preparation of the R.E. and the conditions are to be in accordance with the Govt. Orders in force. Further, the intention of the design of concrete mix in any work is not only to achieve the required assured strength but also to achieve economy. The economy achieved in the work by designing the concrete mix shall be credited to the work and the design mix is only to be adopted wherever it is prescribed in the approved drawings.

(5)

The Agreement conditions may be thoroughly verified before making provisions in the Revised Estimates.

Yours faithfully,

Sd/-L.Narayan Reddy, 19.12.12

Engineer-in-Chief (I.W.)

1. Copy Submitted to the Principal Secretary to Government(Projects) for favour of information

Yours faithfully,

Sd/-L.Narayan Reddy, 19.12.12

Engineer-in-Chief (I.W.)

K. Srinivasulu
For Engineer-in-Chief(I.W.)

llh
19/12/12

OFFICE OF THE CHIEF ENGINEER (PROJECTS),
IRRIGATION :: KADAPA.

Endt.No.CE(P)/Irrgn/KDP/TS3/F1/86

Dated: 4-1-2013

Copy communicated to all the Superintending Engineers for information and requested to follow the above instructions scrupulously.

Copy communicated to TS1, TS2 and Deputy Chief Engineer-2, TGP Wing of this office for information and necessary action.

G.Chitti Babu,
Chief Engineer (Projects),
Irrigation :: Kadapa.

11-1-2013

V. Srinivasulu
DEPUTY EXECUTIVE ENGINEER

8/1/13