

Sub: Construction Management System - Circular No. - 15.

Ref: Guidelines for Construction Drawings.

The procedure for approval of construction / working drawings shall be as follows:

1. Item Rate Contracts:

- (a) The detailed construction / working drawings good for execution are required to be issued to the contractor and shall be ready to hand over at the time of issue of Notice to Proceed.
- (b) These detailed construction / working drawings shall be prepared jointly by IPIU & DSC, duly reviewed by IPMC, preferably at the time of finalization of bidding document but not later than the issue of NTP.
- (c) In case of revision of drawings during execution of Contract, it should be done by the IPIU and issued to the contractor. In case, major change is envisaged it should be thoroughly examined by the DSC & IPIU and then sent to IPMC for its review and approval.
- (d) IPIU should ensure that there are no delays in implementation due to delay in release of construction drawings.
- (e) The submissions of the detailed designs/drawings should be made at the appropriate time so that the drawings are approved and released to contractors at the time of NTP for Item rate contracts. In case of any change in the design is required during confirmatory investigations, the time taken for preparation by the DSC & IPIU jointly (1 week for minor changes and 2 weeks for major changes) & review if required in case of major changes by IPMC should not be more than 1 week. The IPIU should release the drawings with in the aforesaid period positively. The IPIU should follow up approval & release of such drawings on a target basis.

2. Turnkey contracts:

- (a) The construction drawings shall be prepared by contractor and submitted to IPIU for approval. IPIU will get these reviewed from DSC & IPMC and then release to contractor duly signed and approved. IPIU will ensure that there are no delays in approval of drawings.
- (b) The following schedule should be adhered for follow up of approval of drawings of Turnkey Contracts:

S. No.	Item	Submission time to DSC / IPIU/ IPMC	Period for review by DSC/ IPIU/ IPMC / proof consultant / other agency
1	Process Designs, Layouts, Hydraulic Flow charts for Turnkey contracts WTP and STP		
	Initial submission by Contractor	At time prescribed in contract	DSC/IPIU- 1 week IPMC - 1 week
	Submission of final concept	1.5 weeks	DSC/IPIU- 1 week IPMC - 1 week

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2	Minor Structural designs and construction drawings on item rate contracts, which do not require any special review	More than 2 weeks before requirement on site	Approval by IPIU - 1 week
3	Such other minor designs, construction drawings which in view of the IPIU require review from IPMC	More than 3 weeks before requirement on site.	Review by IPIU - 1 week Review by IPMC - 1 weeks
4	Detailed Structural designs, construction drawings, equipment schedules & drawings, etc. in the Turn Key contracts submitted by contractors	Submission as per the contract	Review of DSC - 2 weeks Approval IPIU - 1 week

3. There shall be no need for more than one review. This depends on the comprehensiveness of the review and the attention paid during the first resubmission. Both the agencies should ensure that no case goes beyond one review. If for some reason, it is felt that the case may require more reviews, the submission should be preponed for the period of issue of comments and review. This would be the responsibility of the agency making first submission.
4. It is important that the DSC, IPIU and IPMC should maintain separate registers for monitoring the progress. A list of designs required and target dates for each sub-project should be prepared by the DSC in consultation with IPIU and copy should be sent to IPMC & PMU at the time of issue of bid document, so that they can be taken in the register for monitoring by IPMC.
5. It should be ensured by the EE IPIUs & Team Leader IPMC that the drawings are approved within the prescribed time frame by respective IPIUs or IPMC as applicable. It should be noted that we have provision of proof checking of the designs through IPMC who in turn gets it done from different agencies often situated out of Jaipur and it takes time. This is further extended when there are observations on the original design requiring resubmission by the DSC. It is therefore very important that we start the process well in time to ensure that final designs are available by the time the contracts are awarded.
6. All released drawings should be jointly signed by the DSC & XEn IPIU positively. No unsigned drawings should be issued to the contractor.

This circular should be abided by all the members of IPMU, IPIU, IPMC and DSC.

(Karni Singh Rathore)
Project Director

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Copy to following for information and necessary action:

1. Addl. PD -I & II/ FA/ Dy. PD (T)/ Dy. PD (Adm.)/ SE (WW)/ WS / PO (all)/ Sr. AO / All APOs / AAO/ PA to PD PMU, RUIDP, Jaipur.
2. Chief Engineer, PIU, Bisalpur, RUIDP, Jaipur.
3. SE Jodhpur.
4. Executive Engineer/APO's, IPIU, RUSDIP (Concerned), Alwar, Baran-Chhabra, Barmer, Bharatpur, Bundi, Chittorgarh, Churu, Dhaulpur, Jaisalmer, Jhalawar-Jhalrapatan, Karauli, Nagaur, Rajsamand, Sawai Madhopur and Sikar.
5. Team Leader IPMC, DSC-I, Bharatpur, DSC-II, Nagaur, DSC-III, Jhalawar, RUSDIP.
6. DSC-I, Alwar/ Dholpur/ Karauli/ Sawai Madhopur, DSC-II, Churu/ Jaisalmer/ Barmer/ Sikar and DSC-III, Chittorgarh/ / Rajsamand/ Bundi/ Baran, RUSDIP.
7. ACP, RUIDP, Jaipur to send by e-mail and put up the Guidelines on the website.

Dy. Project Director (T)