

**Central Public Works Department
Office Memorandum No.**

No. DG/Manual 2022/Misc./22

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 27.02.2024

Subject: Suggestion for modification in para 3.1.1.6 and 4.8 of CPWD Works Manual 2022 and SOP No. 4/6 regarding execution of works on EPC contract basis.

It is proposed to made changes in procedure for EPC Works. Two draft OMs are enclosed in PDF format for perusal.

All CPWD officers are requested to go through the draft OMs and update their feedback/suggestions latest by 10.03.2024 in the google sheet. Save feedback/suggestions on google sheet attached below. No email or hard copy is required. Link as detailed below:

<https://docs.google.com/document/d/1XORVKSIraTIDSEsgGt96d-0YkY1o-5TN/edit?usp=sharing&oid=108584425935094365117&rtpof=true&sd=true>

This issues with the approval of DG CPWD.

Encl: As above.



**(V.P. Sahu)
Superintending Engineer (C&M)**

Issued from file No. CSQ/CM/16(1)/2024 e-file- 9147434

All CPWD and PWD officers for information and necessary action. (Through CPWD website).

Office Memorandum
No. DG/Manual 2022/Draft

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 22.02.2024

Subject: Modifications in Paras 3.1.1.6 and 4.8 of CPWD Works Manual 2022.

Following modifications are made in Paras 3.1.1.6 and 4.8 of CPWD Works Manual 2022:

Existing Provision	Modified Provision			
3.1.1.6 Accord of Technical Sanction	3.1.1.6 Accord of Technical Sanction			
(1)The technical sanction for the works in which percentage rate tenders or item rate tenders are invited shall be issued before inviting tenders and shall consist of the following;	(1) The technical sanction for the all works in which percentage rate tenders or item rate tenders or are invited , shall be issued before inviting tenders and shall consist of the following;			
(i) Technical Sanction Memo (ii) A/A & E/S Memo/Order (iii) Detailed Estimate, Detailed Architectural drawings and specifications (iv) Geotechnical Investigation Report (v) Structural drawings for the foundation and preliminary structural drawings of the superstructure to calculate quantities of the items. (vi)Preliminary drawings for Internal and External services.	Description	Construction and Maintenance work	EPC Mode I & II	EPC Mode III
	(i) Technical Sanction Memo	Applicable	Applicable	Applicable
	(ii) A/A & E/S Memo/Order	Applicable	Applicable	Applicable
	(iii) (a) Detailed Estimate,	Applicable	Not applicable	Not applicable
	(b) Estimate based on PAR	Not applicable	Applicable	Applicable
	(c) Detailed Architectural drawings	Applicable	Not applicable	Applicable
	(d) Specifications in detail	Applicable	Applicable	Applicable
	(iv) Geotechnical Investigation Report	Applicable	Applicable	Applicable
(v) Structural drawings for the foundation and preliminary structural drawings of the superstructure to calculate quantities of the items.	Applicable	Not applicable	Applicable	
(vi) Preliminary Drawings for Internal, and	Applicable	Not applicable	Applicable	

No Provision	External services and E&M services			
	(vii) Conceptual drawings	Not applicable	Applicable	Not applicable
	(viii) Scope of work	Applicable	Applicable	Applicable
(2) In case of work for which tenders are to be invited on “Design and Construct”/EPC contract basis, Technical Sanction required as per C.P.W. Departmental Code is not applicable as the contractor takes full responsibility for design and execution. The scope, description of work, specifications, approved conceptual drawings for engineering and architectural planning, and schedule of quantities (if available) and as provided in the contract document, is to be kept on record. (3) The powers delegated to Officers of CPWD for accord of Technical Sanction are given in “Financial Powers Delegated to CPWD Officers”. The powers are exclusive of departmental charges. For guidelines on according Technical Sanction, refer SOP 3/5. (4) Revised T/S is required to be issued only on deviation in scope of work due to structural requirements				
(2) Deleted (3) No Change (4) Deleted				

4.8 EPC (Engineering, Procurement and Construction) Contract	4.8 EPC (Engineering, Procurement and Construction) Contract
(4) Soil investigation report shall be appended in the NIT for indicative purpose only.	(4) Soil investigation report shall be appended in the NIT for indicative purpose only for EPC Mode I & II.
(5) The responsibility of investigations, designing, planning, procurement, construction, safety, quality, and risk of engineering lies with the contractor and the same will be incorporated in the NIT.	(5) The responsibility of investigations, designing, planning, procurement, construction, safety, quality, and risk of engineering lies with the contractor for EPC Mode I & II and the same will be incorporated in the NIT.
(7) The award of work shall be decided on competitive call of tenders. The Chief Engineer/NIT approving authority ascertains the reasonability of prices based on justification prepared using analytical methods such as PAR rates duly enhanced by the current cost index and any other method approved by the NIT approving authority for ascertaining the reasonability of the tendered amount of the L1 bidder. (8) In case the tender received is more than A/A & E/S, revised A/A & E/S or in-principle approval	(7) The award of work shall be decided on competitive call of tenders. The Chief Engineer/NIT approving authority ascertains the reasonability of prices based on justification prepared using analytical methods such as PAR rates duly enhanced by the current cost index and or any other method approved by the NIT approving authority for ascertaining the reasonability of the tendered amount of the L1 bidder. (8) In case the tender received is more than A/A & E/S, revised A/A & E/S or in-principle approval
(10)NIT approving authority shall incorporate one option of appropriate table out of Table 1A/1B/2 of OM No. 17/SE(TAS)/BMTPC/2022/105-H dated 24.03.2022 as amended from time to time, in the NIT. The contractor shall opt any one of these technologies mentioned in the NIT for quoting their rates and execution of work.	(10)NIT approving authority shall incorporate one option of appropriate table out of Table 1A/1B/2 of OM No. 17/SE(TAS)/BMTPC/2022/105-H dated 24.03.2022 as amended from time to time, in the NIT. The contractor shall opt any one of these technologies mentioned in the NIT for quoting their rates and execution of work for EPC Mode I & II. NIT approving authority shall incorporate prescribed technology in EPC mode-III.
(11)The bidder can associate with contractor having requisite work experience of the opted technology' Bidder has to submit MoU with such associate contractor along with his tender. However, the	(11)The bidder can associate with contractor having requisite work experience of the opted technology' Bidder has to submit MoU with such associate contractor along with his tender. However, the associated contractor must satisfy the eligibility criteria of having successfully completed one work of costing not less than 20% of the estimated cost put to tender with opted/ prescribed technology during the last seven years ending last day of month previous to the one in

associated contractor must satisfy the eligibility criteria of having successfully completed one work of costing not less than 20% of the estimated cost put to tender with opted technology during the last seven years ending last day of month previous to the one in which tender is invited.	which tender is invited.
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This is issued with the approval of DG CPWD.

(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/16(1)/2024 e-file

**All CPWD and PWD officers for information and necessary action.
(Through CPWD website).**

Office Memorandum

No. DG/SOP- 2022/Draft

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 09.02.2024

Subject: Modifications in SOP 4/6 for CPWD Works Manual 2022.

Following modifications are made in SOP 4/6 for CPWD Works Manual 2022:

Existing Provision	Modified Provision
SOP No. 4/6:Execution of Works on EPC Contract Basis (Refer Para 4.8(9)) 3. After the receipt of requisition for the work, the client organizations are advised that they need not engage Design/Structural Consultants as the same would be part of the EPC tender. The detailed planning is the responsibility of the contractor but the monitoring is done by the Engineer-in-Charge. For works undertaken in the EPC mode, sanction is obtained on the basis of Detailed or Preliminary Project Report as per feasibility and requirement and submitted as per understanding with the client.	SOP No. 4/6:Execution of Works on EPC Contract Basis (Refer Para 4.8(9)) 3. After the receipt of requisition for the work, the client organizations are advised that they need not engage Design/Structural Consultants as the same would be part of the EPC tender. The detailed planning is the responsibility of the contractor for EPC Mode I & II only , but the monitoring is done by the Engineer-in-Charge. For works undertaken in the EPC mode, sanction is obtained on the basis of Detailed or Preliminary Project Report as per feasibility and requirement and submitted as per understanding with the client.
8. Soil investigation report is appended in the NIT for indicative purpose only.	8. Soil investigation report is appended in the NIT for indicative purpose only for EPC Mode I & II only .
9. The responsibility of investigations, designing, planning, procurement, construction, safety, quality, and risk of engineering lies with the contractor and the same is incorporated in the NIT.	9. The responsibility of investigations, designing, planning, procurement, construction, safety, quality, and risk of engineering lies with the contractor for EPC Mode I & II only and the same is will be incorporated in the NIT.
12. (i) For works undertaken by CPWD in the EPC mode, the Contractor takes the full responsibility for the design and execution and provisions of Para 64 (Technical Sanction) etc. of the CPW Departmental Code are not applicable. Only the scope, description of work, specifications, approved conceptual drawings for engineering and architectural planning, and schedule of quantities (if available) and as provided in the contract document, is kept on record and a No Objection Certificate is recorded by the Engineer-in-Charge for the drawings prepared and submitted by the contractor after proof check, before the same is released for execution. All such drawings/design/ documents for which "No Objection Certificate" is issued shall have a unique ERP generated	12. (i) For works undertaken by CPWD in the EPC mode, the Contractor for EPC Mode I & II takes the full responsibility for the design and execution and provisions of Para 64 (Technical Sanction) etc. of the CPW Departmental Code are not also applicable. Only The scope, description of work, specifications, approved conceptual drawings for engineering and architectural planning, and schedule of quantities (if available) and as provided in the contract document, is kept on record and a No Objection Certificate is recorded by the Engineer-in-Charge for the drawings prepared and submitted by the contractor after proof check, before the same is released for execution. No change.

identifier number called the ERP Drawing/Document Number or EDN through the Collaboration Tool of CPWD ERP as specified in SOP 3/5 para (5) of SOP for CPWD Works Manual. Such drawing/design/ documents shall not be considered valid without EDN and without uploading and transmittal on ERP Collaboration Tool (whether prepared in-house or through consultants).	No change.
12. (ii) EPC contracts shall specify broad technical specifications and key output parameters. Technical specifications shall be framed in such a manner so as to allow sufficient freedom to the contractor to optimize design. Provisions on the following should be included in commercial conditions: (a) Limitation of liability for CPWD as well as contractor. (b) Risk matrix and responsibilities of the contractor and CPWD.	12. (ii) EPC contracts shall specify broad technical specifications and key output parameters. Technical specifications shall be framed in such a manner so as to allow sufficient freedom to the contractor to optimize design in Mode I & II. Provisions on the following should be included in commercial conditions: (a) Limitation of liability for CPWD as well as contractor. (b) Risk matrix and responsibilities of the contractor and CPWD.
13. The contractor gets NOC for the design from NIT approving authority for functional aspects and aesthetics and from the approved proof check agency for engineering and architectural considerations. The officers of the CPWD are responsible for broad oversight of these aspects without being expected to examine the design.	13. The contractor gets NOC for EPC Mode I & II for the design from NIT approving authority for functional aspects and aesthetics and from the approved proof check agency for engineering and architectural considerations. The officers of the CPWD are responsible for broad oversight of these aspects without being expected to examine the design.
15. For EPC contracts, the NIT approving authority ascertains the reasonableness of prices based on justification prepared using analytical methods such as PAR rates duly enhanced by the current cost index and any other method approved by the NIT approving authority for ascertaining the reasonability of the tendered amount of the L1 bidder. The acceptance of financial bid is approved by the authority competent to approve the financial bids for the work of similar value in the non-EPC (traditional item-measurement basis) contracts.	15. For EPC contracts, the NIT approving authority ascertains the reasonableness of prices based on justification prepared using analytical methods such as PAR rates duly enhanced by the current cost index and or any other method approved by the NIT approving authority for ascertaining the reasonability of the tendered amount of the L1 bidder. The acceptance of financial bid is approved by the authority competent to approve the financial bids for the work of similar value in the non-EPC (traditional item-measurement basis) contracts.

This is issued with the approval of DG CPWD.

(V.P. Sahu)

Superintending Engineer (C&M)

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