

Shree Datta Polytechnic College , Dattanagar.

Class test No. 1

Course Name – Civil Engineering (CE6E)
Subject : Contracts & Accounts
Sub Code : 12220

Date: 23 /01/2014
Marks - 25
Duration -1 Hr.

MODEL ANSWER

Q1. Attempt any Three

3x3= 09 Marks

a) Suggest the type of contract for following work

i) Construction of Post Office Building Having Estimated of Rs. 2.5 crore - **Item Rate**

Contract.

ii) Dismantling old Structure - **Demolition Contract.**

iii) Construction of Residential Building. - **Lump Sum Contract/Item Rate Contract.**

b) State the various methods used by PWD for carry out the work.

ANS - a. Rate List Method

b. Contract Method.

c. Piece Work Method

d. Day Work Method

e. Departmental Method.

c) Define Contract & Tender.

ANS - Contract:-Contract is an agreement between two parties which can be enforced by law.

Tender – It is undertaking given by a firm /person to do the specific work / supply of material under certain terms & conditions

d) State the types of tender.

ANS - Tender is classified into following types:

1. **Local tender:** These are the tender notices which are published locally.

2. **Open tender:** In this type of tender the contractor can enter in competition and all get the opportunity to fill tender. It also ensures minimum cost for public works by securing competition.

3. **Limited tender:** In this type of tender the owner or architect invited limited number of contractors for filling up the tender as per the specialization of the project. This helps to complete the project with given specifications in specified time

4. **Global tenders:** These tenders are published in internationally circulated news papers and any firm or contractor around the world can fill the tender. Such tenders are invited for very large projects as construction of airport, tunnels, express highways etc.

5. **Negotiated tender:** in this type of tenders the price to be paid for work is negotiated with a single contractor.

Q2. Attempt any Two

4x2= 08 Marks

a) State the functions of superintending engineer.

ANS - Functions of Superintending Engineer

1. The Estimate submitted by the Executive Engineer should be checked by the Superintending Engineer before forwarding it to Chief Engineer.
2. The Superintending Engineer should give technical sanction to estimate within his power.
3. The Superintending engineer should look after the Administrative approval and Technical Control of the circle.
4. He should see weather execution of work is carried according to the rules and regulations.
5. He should see weather the accounts related to execution of work are maintained properly.
6. The Superintending Engineer should inspect the divisional office at once in a year.

b) State the advantages & disadvantages of lump sum contract.

ANS - Advantages of Lump Sum Contract:-

1. The work gets completed within stipulated time.
2. Profit can be achieved by the contractor by proper planning
3. Maintaining account is not necessary.
4. Cost of project is known before completion.

Disadvantages of Lump-Sum Contract:-

1. Quality of work can not be maintained.
2. Conflicts may occur between and contractor.
3. The contractor can get excess profit or excess loss.

c) State the documents required for registration of contractor.

ANS - Documents required for registration of contractor with P.W.D :-

1. Latest income tax clearance certificate.
2. List of tools and plants possess by the contractor.
3. Financial status proof supported by solvency certificate.
4. Technical staff with their qualification and experience employed by contractor.
5. Attested copy of partnership deed, in case of partnership firm and copy of power of attorney.
6. Registration fee required to pay while submitting the registration form.

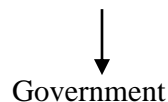
Q3 . Attempt any Two

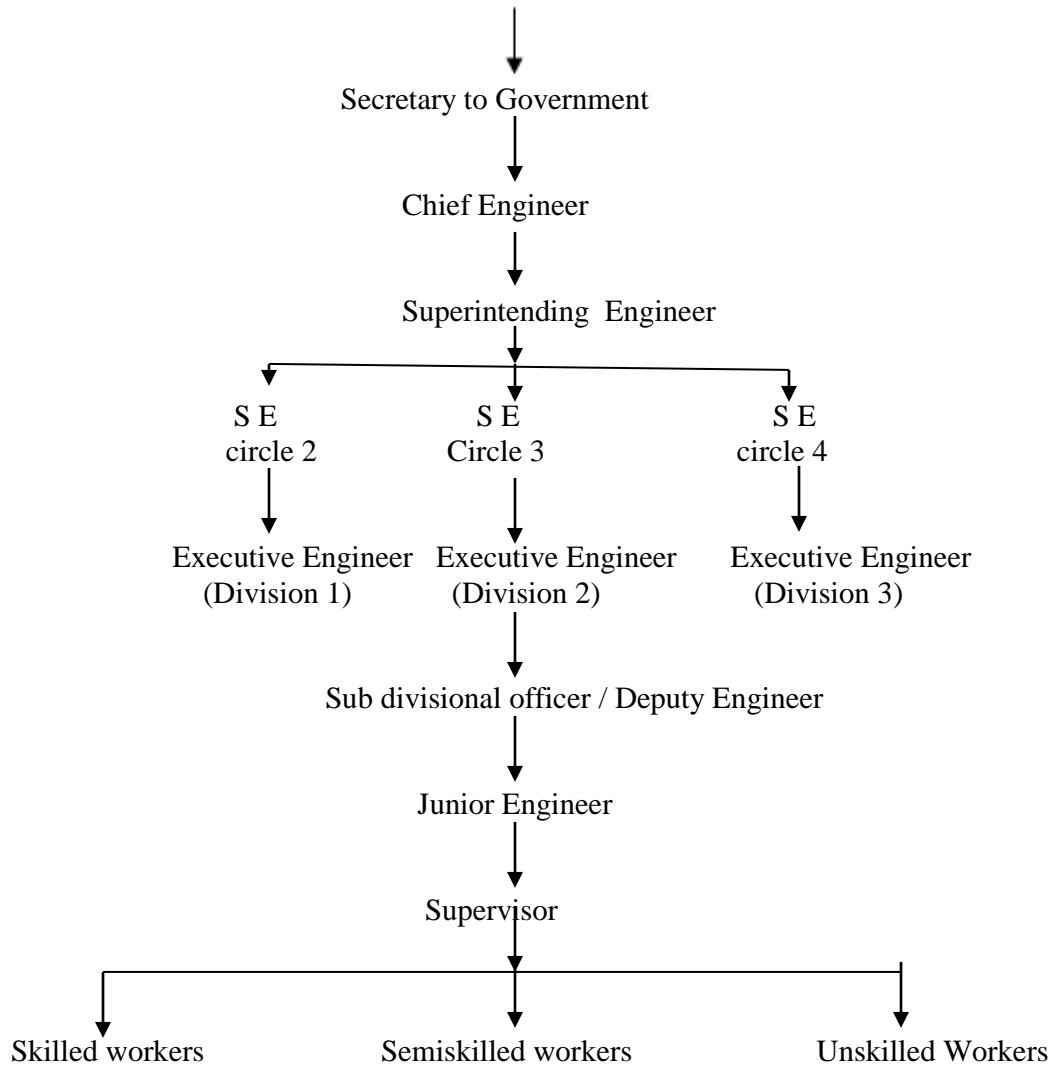
4x2= 08 Marks

a) Draw organizational chart of PWD.

ANS -

Organizational chart of P.W.D.





b) Draft a tender notice for construction of WBM road length 2 km, estimated cost is 80 lakhs, Assume suitable data if necessary.

ANS-

Tender Notice
(Public Work Department)

NO: _____ Date: _____
Sealed item rate tenders in form B2 are invited by executive Engineer P.W. Division Pune from registered Contractors in appropriate class for following work.

Sr. No.	Name of work	Estimated Cost in Rs.	Earnest money deposit Rs.	Security Deposit in Rs.	Time of completion
1.	Construction of W.B.M. Road of length 2 KM.	80 Lakh	1,60,000	3,20,000	12 Months (including monsoon)

Blank Tender Form at a non refundable cost of Rs.2000/- (Rs.2500/- if by post) can be obtained from the office of Executive Engineer P.W.D. Division No.10 Pune up to 6:00 p.m. during

working hours on all working days. (Except Sunday and Government Holydays) from 25/11/2013 to 05/12/2013. Tenders will be received in Office of executive engineer up to 3:00p.m. on 06/12/2013 and Shall be opened on the same day at 4:00p.m. in presence of Contractors who may like to attend.

The right reserves to reject any or all tenders, without assigning any reasons.

Sd./-
Executive Engineers
Pune.

c) State the requirement of valid contract.

ANS - i) That the contract shall be made by parties competent to contract

ii) That the contract shall be made by free consents of the parties.

iii) That there shall be a definite proposal and its acceptance.

iv) That the contract shall be made so that the considerations and object are lawful.

v) That the meaning shall be certain.