

૨. નાયબ ઈજનેર (સિવિલ) ગુજરાત ઈજનેર-સેવા, વર્ગ-૨ ભરતી નિયમો, ૧૯૭૯માં, "નાયબ ઈજનેર" "જુનિયર ઈજનેર" અને "સુપરવાઈઝર" એ શબ્દો જ્યાં જ્યાં આવે છે ત્યાં ત્યાં તેને બદલે અનુક્રમે "નાયબ કાર્યપાલક ઈજનેર" "મદદનીશ ઈજનેર" અને "અધિક મદદનીશ ઈજનેર" એ શબ્દો મૂકવા.

સચિવાલય, ગાંધીનગર, ૨૭મી સપ્ટેમ્બર, ૧૯૮૨.

#### ભારતનું સંવિધાન.

ક્રમાંક : જીએ-ઈ-(૧૪)જીએબી-૧૦૮૧-(૫૨)-ઈ-૨.— ભારતના સંવિધાનની કલમ ૩૦૯ના પરંતુકથી મળેલી સત્તાની રૂએ, ગુજરાતનાં રાજ્યપાલ, આથી, કાર્યપાલક ઈજનેર (સિવિલ), ગુજરાત ઈજનેર સેવા, વર્ગ-૧ ભરતી નિયમો, ૧૯૭૯ વધુ સુધારવા માટે નીચેના નિયમો નીચે પ્રમાણે કરે છે.

૧. આ નિયમો 'કાર્યપાલક ઈજનેર (સિવિલ) ગુજરાત ઈજનેર સેવા, વર્ગ-૧, ભરતી (૨-જ સુધારા) નિયમો, ૧૯૮૨' કહેવાશે.

૨. કાર્યપાલક ઈજનેર (સિવિલ), ગુજરાત ઈજનેર સેવા, વર્ગ-૧, ભરતી નિયમો, ૧૯૭૯માં, "મદદનીશ ઈજનેર" અને "નાયબ ઈજનેર" એ શબ્દો જ્યાં જ્યાં આવે છે ત્યાં ત્યાં તેને બદલે અનુક્રમે "મદદનીશ કાર્યપાલક ઈજનેર" અને "નાયબ કાર્યપાલક ઈજનેર" એ શબ્દો મૂકવા.

ગુજરાતના રાજ્યપાલશ્રીના હુકમથી અને તેમના નામે,

આર. ડી. પંડ્યા,  
સરકારના સંયુક્ત સચિવ

### IRRIGATION DEPARTMENT

#### Notifications

Sachivalaya, Gandhinagar, 9th November, 1982.

#### CONSTITUTION OF INDIA.

No. GJ/E/15/GAB-1082(56)E.2.—In exercise of the powers conferred by the proviso to article 309 of the Constitution of India, the Governor of Gujarat hereby makes the following rules further to amend the Executive Engineer (Civil), Gujarat Service of Engineers, Class I, Recruitment Rules, 1979 namely:—

1. These rules may be called the Executive Engineer (Civil), Gujarat Service of Engineers, Class I Recruitment (3rd Amendment), Rules, 1982.

2. In the Executive Engineer (Civil), Gujarat Service of Engineers, Class I, Recruitment Rules, 1979 in the ANNEXURE I, in para 6,—

(i) in sub-para (i), in item I, in clause (b), after entry (7), the following new entry shall be added, namely:—

“(8) Design of Hydraulic structures 100 3 hours”,

(ii) in sub-para (iii) relating to “Syllabi” under the heading “OPTIONAL SUBJECTS”, after item (7), relating to “SURVEYING”, the following new item shall be added; namely:—

“(8) DESIGN OF HYDRAULIC STRUCTURES.

1. **Gravity dams.**

Design on non-overflow and overflow sections of gravity dam. Forces acting on dams, uplift, stability requirements, Methods of reducing uplift, Drainage Gallery, stability requirements, Energy Dissipation below spillway.

2. **Earth dams :**

Materials of construction, safety requirements Design Criteria seepage, Flownet, Control of seepage, drainage of earth dams, stability of slopes.

3. **Spillways:—**

Types of spillways, Design principles of Ogee spillway, chute spillway, siphon spillway, shaft spillway, side Channel spillway, Energy dissipation below spillways, Hydraulic jump as energy dissipation, Stilling basins, Buedect type energy dissipation skijump.

4. **Diversion Headworks :**

Design of weirs and barrages on permeable foundations. Blogh's and Khosla's theories.



**5. Canals :**

Dennedy's and Lacey's Silt theories, semi-theoretical approach Design of channel is by the method of tractive force procedure for design of a distributory canal, use of Garet diagrams.

**6. Canal Regulation Works:—**

Design of a distributory head regulator and cross-regulator, canal falls, Escapes, outlets, standing-wave Flume, vanturi flume.

**7. Cross Drainage works :**

Design of Aquaducts, super passages, canals siphens, well syphon Requirements of water way and Headways, uplift pressure on roof and floor channel transitions."

Sachivalaya, Gandhinagar, 9th November, 1982.

**CONSTITUTION OF INDIA.**

No.GJ/E/16/GAB-1082(56)II/E.2:-In exercise of the powers conferred by the proviso to article 309 of the Constitution of India the Governor of Gujarat hereby makes the following rules further to amend the Deputy Executive Engineer (Civil) Gujarat Service of Engineers, Class II Recruitment Rules 1979 namely:-

1. These rules may be called the Deputy Executive Engineer (Civil) Gujarat Service of Engineers, Class II, Recruitment (3rd Amendment) Rules, 1982.

2. In the Deputy Executive Engineer (Civil) Gujarat Service of Engineers, Class II, Recruitment Rules, 1979 in the ANNEXURE I, in Para 6,

(1) in sub-para (i), in item I, in clause (b) after entry (7), the following new entry shall be added, namely:-

"(8) Design of Hydraulic structures 100 3 hours",