



## केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-३/१६: भा.मा. 14220

३० जुलाई २०२४

**विषय:** अनुपालन हेतु गाइडलाइन

सभी शाखा कार्यालयों से आग्रह है कि संलग्न गाइडलाइन का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(राकेश कुमार)

वैज्ञानिक 'डी' /संयुक्त निदेशक (के मु वि III)

**प्रमुख (के मु वि III)**

सभी क्षेत्रीय/शाखा कार्यालय

### **CENTRAL MARKS DEPARTMENT-III**

Our Ref: CMD-3/16: IS 14220

30 July 2024

**Subject: Guidelines for implementation of Amendment No. 1 to Indian Standard IS 14220: 2018- "Openwell Submersible Pump sets"**

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the attached guidelines with immediate effect.

(Rakesh Kumar)

Scientist D/Joint Director (CMD III)

**Head (CMD - III)**

Circulated to: All ROs/BOs

### CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-3/16: IS 14220

30 July 2024

**Subject: Guidelines for implementation of Amendment No. 1 to Indian Standard IS 14220: 2018- “Openwell Submersible Pump sets”**

1. Amendment No. 1 to IS 14220: 2018 has been published. **The last date for implementation of the Amendment is 05 June 2025.**
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the Amendment **within a week of issuance of these guidelines.**
3. The significant changes brought through this Amendment as listed in the Table is given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the Amendment.

Sl. No.	Page and clause No.	Changes
1.	Page 4, Cl. 9; Page 9, Cl. 16.4.1 - Pump efficiency	Method for calculation of minimum required pump efficiency has been changed. Earlier the required pump efficiency was to be determined through graphs given at Fig. 5 to 7 in the Standard, now the required pump efficiency is to be calculated from formula given under Cl. 16.4.1 (a). As a result, required minimum Pump efficiency and hence Overall efficiency have also been modified.  Various minimum Efficiency levels (e.g. MEL 0.2, MEL 0.3 etc.) have been specified in the method of calculation of Pump efficiency. The minimum pump efficiency shall be MEL 0.2.
2.	Page 14, Fig. 5 ; Page 15, Fig. 6; Page 16, Fig. 7	These figures which were graphs for determination of required Pump efficiency in various cases of Speed and discharge, have been deleted in view of change in method of determination of required efficiency.
3.	Page 11, new Annex B	New Annexure, Annex B has been added to give example for calculation of required Pump efficiency

4. Consequent upon publication of the Amendment, existing Product Manual has also been revised as Doc: PM/ IS 14220/2/ July 2024. In this revision, changes have been made in Grouping Guidelines and Scheme of Inspection and Testing.
5. The guidelines for implementation of the Amendment is given below:

**A. LICENSEES:**

- (i) All Licensees shall implement the Amendment by 05 June 2025. Any difficulty in implementation shall be brought to the notice of CMD III within 30 days of issuance of

these guidelines. BOs shall ensure that no Licences are under operation Standard without Amendment after 05 June 2025. The status of implementation of the Amendment shall be confirmed by Head (BO) to CMD-III within two weeks of the last date of concurrent running.

- (ii) Following actions will be taken by licensee manufacturers to implement the Amendment:
  - a) The licensee manufacturers will be required to review the existing declared Overall efficiency for all the varieties and check whether meet the modified Pump efficiency and hence Overall efficiency, as per the Amendment or not.
  - b) For those varieties which still meet the requirements as per the Amendment, the same shall be confirmed by the licensees to BIS Branch Office.
  - c) Licensee manufacturers may also require to modify the designs of some varieties so as to meet the modified Pump efficiency and hence the overall efficiency requirements as per this Amendment. For those varieties, licensee shall submit in-house/independent test reports, as applicable, of product as evidence of conformity to the Amendment.
- (iii) Based on the above information submitted by the licensee, BIS Branch Office will issue endorsement with revised scope of licences (with revised overall efficiency) for existing varieties, as applicable.
- (iv) Verification of implementation of the Amendment, shall be done during the next visit **which shall be completed within one month from the date of submission of compliance by licensee.**
- (v) If the Licensee fails to complete all actions by 05 June 2025 it shall be dealt with as per the prevailing guidelines.

#### **B. APPLICATIONS FOR GRANT OF LICENCE:**

- (i) Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without considering this Amendment. However, if the Applicant is desirous of considering the application considering this Amendment, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails while considering the provisions of the Amendment, Licence will not be granted without Amendment.
- (ii) Applications which are recorded henceforth may be processed with or without considering the Amendment. Processing of Applications without Amendment shall be permitted only up to 05 June 2025 and for such cases Applicant shall give a declaration that they will implement the Amendment by 05 June 2025.
- (iii) Beyond 05 June 2025 no Licence shall be granted without consideration of the Amendment.

#### **C. CHANGE IN SCOPE OF LICENCE:**

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.

(ii) However, processing of such applications for change in scope of licence without considering the Amendment shall be permitted only upto the date of implementation of the Amendment by the licensee or up to 05 June 2025 whichever is earlier.

6. The above guidelines come into force with immediate effect.

**(Rakesh Kumar)**  
**Scientist D/Joint Director**

Head (CMD III)  
**DDG (Certification)**