



# Rajasthan State Mines & Minerals Limited

(A Government of Rajasthan Enterprise)

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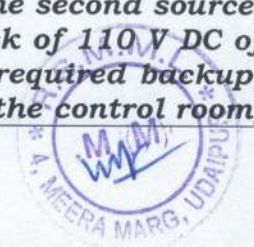
Dated: 09.04.2026

### CORRIGENDUM No. 8

Sub-e-Tender No. RSMM\_CO\_MM\_NIT\_09\_2025-26 dated 30.12.2025 for the Work of Design, Supply, Installation, Testing & Commissioning of Nitrogen Injection Fire Protection System (NIFPS) for Four Transformers at our Jhamarkotra Mines.

Following amendments/clarifications are made to above mentioned tender-

Ref. of clause / provision no.	Amendment/Modification
<b>Annexure - VI (a), clause no. 2.3</b>	The said clause i.e. <b>"The detection properties of the detector/ sensor shall be site configurable"</b> stands deleted.
<b>Annexure - VI (a), clause no. 2.5</b>	The first paragraph of said clause i.e. <b>"The system operation .....in the following situations"</b> , may be read as under-  <b>"The system operation shall be automatic and shall be activated when the pre-set conditions of activation of the system are attained/ triggered. The maximum time period for extinction of fire from commencement of nitrogen injection into the transformer shall be 30 second. The system shall provide three independent modes of operation: Automatic, Remote Electrical (from RCC) and Local Manual. The Local Manual operation at the FEC shall be designed to ensuring the system can be triggered even in the event of total failure of AC and DC power supplies. The system shall operate in the following situations".</b>
<b>Annexure - VI (a), clause no. 2.7.3</b>	Said clause be replaced and read as under-  <b>"RSMML is having battery bank of 110 V DC at the substation for providing power supply to various control and protection equipment. The supplier shall use one source from this supply. For the second source, the supplier has to arrange power pack of 110 V DC of suitable power rating along with the required backup, as required for their NIFPS system, in the control room,</b>



	<p><i>along with all necessary arrangements. However, the input supply for this power pack shall be provided by RSMML, which shall be from both 110 V AC and 230 V AC. Therefore, the power pack shall have both power supply provision in accordance to power supplied by RSMML. In case the system operational DC power supply requirement is different from the station auxiliary DC supply, then all necessary converters shall be provided by the NIFPES OEM.</i></p> <p><i>The system shall work on station DC supply with voltage variation as per relevant standards. The control box of nitrogen injection fire prevention and extinguishing system shall have facility to receive these DC supplies for auto changeover of supply. It shall be the Supplier's/ NIFPES OEM's responsibility to further distribute power to the required locations".</i></p>
Annexure – VI (a), clause no. 2.8.1 (3), Fire detectors/sensors heat sensing temperature	<p>Requirement under this clause may be read as under-</p> <p><i>"Fire/heat detectors heat sensing temperature: 141°C with tolerance of -5°C.</i></p>
Annexure – VI (a), clause no. 2.9.2	<p>Following clause is added as sub clause (xi) under the said clause no. 2.9.2.</p> <p><i>"(xi) A pressure monitoring switch/sensor shall be provided in the oil drain pipe within the Fire Extinguishing Cubicle (FEC). This switch/sensor shall serve as a failsafe backup protection, ensuring that nitrogen injection is only initiated after positive confirmation that the oil drainage process has commenced".</i></p>
Annexure – VI (a), clause no. 2.9.2	<p>Following clause is added as sub clause (xii) under the said clause no. 2.9.2.</p> <p><i>"(xii) The NIFPES shall be provided with individual mechanical locking arrangements for both the oil release and nitrogen release mechanisms. These locks shall be designed to facilitate safe maintenance and testing by preventing accidental or unauthorized operation of the system during periods of service or inspection."</i></p>
Annexure – VI (a), clause no. 2.9.2	<p>Following clause is added as sub clause (xiii) under the said clause no. 2.9.2.</p> <p><i>"(xiii) "The Nitrogen gas cylinder assembly shall be equipped with a high-performance pressure regulator. This regulator must include integrated safety relief valve (SRV) designed for higher temperature variation compensation. The SRV shall be capable of automatically venting nitrogen to the atmosphere if the outlet pressure exceeds the stipulated maximum value, thereby protecting downstream equipment from over-pressurization."</i></p>




<p><b>Annexure – VI (a), clause no. 2.9.7</b></p>	<p>Said clause be replaced and read as under--</p> <p><i>"Flow Sensitive Transformer Conservator Isolation Valve (TCIV) shall be provided in the piping between the conservator and the Buchholz relay to restrict the supply of oil in the event of transformer fire or tank rupture. The valve shall automatically shut off when the oil flow rate exceeds the maximum permissible normal operating flow (typically set at a minimum of 60 litres per minute). It shall not isolate the conservator during normal breathing, oil filtration, or filling operations".</i></p>
<p><b>Annexure – VI (a), clause no. 2.10</b></p>	<p>Following clause is added as sub clause (2.10.6) under the said clause.</p> <p><i>"2.10.6- NIFPES shall have suitable provisions to connect with SCADA systems in future".</i></p>
<p><b>Annexure – VI (a), clause no. 2.12.2</b></p>	<p>Following clause is added as sub clause/additional paragraph under the said clause.</p> <p><i>"Fire detectors shall be supplied as per relevant BIS standards. Test reports/certifications from any of the following agencies shall be acceptable:</i></p> <ul style="list-style-type: none"> <li><i>a) UL (Underwriters Laboratories), USA.</i></li> <li><i>b) FM (Factory Mutual), USA</i></li> <li><i>c) LPCB (Loss Prevention Certification Board), UK</i></li> <li><i>d) VdS, Germany</i></li> <li><i>e) Any Government approved or Reputed laboratory in India</i></li> </ul> <p><i>The submitted test reports/certifications shall demonstrate compliance with applicable standards and ensure the detectors' suitability for transformer fire protection applications".</i></p>
<p><b>Annexure – VI (a), clause no. 7, Special Condition of work</b></p>	<p>Following paragraph is added under the said clause.</p> <p><i>"Arrangement of oil filtration equipment for the work shall be in the scope of bidders and additional oil required for top up shall be provided by RSMML".</i></p>

**Note:**

- i) Bidders are requested to furnish their offer in accordance to the details, as above. Further, Bidders are requested to enclose sealed & signed copy of this corrigendum no. 8 along with part-I of their offer towards acceptance of amendment / clarifications made, as above.
- ii) Except above, all other specifications of item and terms & conditions of tender will remain unchanged.

For more details, tenderer may contact Mgr(MM) at the above address.

  
 Head (MM)