

**Government of West Bengal**  
**Irrigation & waterways Directorate**  
**Office of the Superintending Engineer, Mechanical & Electrical Circle**  
**Jalasampad Bhawan(6<sup>th</sup> floor), Bidhannagar, Kolkata -700 091.**  
**Ph. No. 033 32218430, e-mail. : semeciwd2017@gmail.com**

Memo No: 1425/ 1T-6


Date:04.09.2017

**CORRIGENDUM -1**

**Name of Work: "Supply installation testing commissioning of 33KV/6.6KV and 33KV/0.415 KV sub-station complete of both H.T & L.T components in the sub-station & pump house as per enclosed schedule of work for the proposed 2<sup>nd</sup> Additional Uttarbhag Pumping Station at Uttarbhag, P.O. Brindakhali, P.S. Baruipur, Dist South 24 Parganas of West Bengal under Irrigation & Waterways Department, Govt. of West Bengal"**

**Ref Memo No. 1318/IT-6 Dated 17.08.2017.**

Sl. No.	Additional Point to be considered before submission of Eol	For Sl. No. stated in Original Eol	Remarks
1	Offered switchgear should be compliant to IEC 62271. The VCB offered should be type tested as per IEC 62271-100 & type tested for E2, M2 & C2 Duty. The switchgear panel should be as per IEC 62271-200. Offered switcgear should be classified and type tested as LSC 2B, PM, IAC AF-LR. In addition the switchgear panels should be fully arc proof of rated STC for 1 second. To ensure the integrity of the arc fault containment requirement, the operations (CB Opening / Closing) must be carried out with the switchgear doors closed. Circuit breaker compartment door must be padlockable. The switchgear panel doors should be constructed with CRCA (Type : Aluzinc / Sendzimir GI) of minimum 2mm thickness, so as to withstand Internal Arc for complete 1 second. Bolted construction of door not acceptable. Viewing port on the front of the VCB compartment , should be of suitable thickness / material , so that it can withstand Internal Arc for complete 1 second All busbars and associated jumpers should have full voltage sleeving. Inter-panel barriers is mandatory for containment of internal arc within the switchgear vertical. Vaccum Circuit Breaker, Vaccum Interuptor, Vaccum Contractor Unit/ Panel & Panel should be of same manufacturer.	Item Sl. No. 1,3 & 6	
02	1-set microprocessor based Communicable Numerical type relay with two three elements for O/C and one element for E/F protection with time and current setting, (70%- 100%for current and 0.3-1.0 for time settings) with IDMT/DMT setting with sensitive low set ( 10% for overcurrent & 2% for earthfault), RS 485 232 port on Modbus® / IEC 60870-5-103 protocol for SCADA integration and data up and down loading etc. The offered relay should have 3 phase inrush detector , built-in trip circuit supervision and 4 numbers of freely configurable Binary Inputs + 6 numbers of Binary outputs. Offered should have the capability to store 100 events with date & time stamping which should be stored in Non Volatile memory. The offered relay should offer the following protections : 51,50, 51N, 50N, 68,49, 46PD,46 & 51BF.	Item Sl. No. 1(A)(v), 1(C)(vi), 3(iv), 6(A)(iv), 6(C)(iii), 6(D)(iv) & 6(D)(xiii)	
03	Offer VCU should have magnetic actuator mechanism with proven electrical life of 10, 00,000 operations (AC1 Duty) & 1,00,00 operations (AC3 Duty). Offered VCU should have a mechanical life up to 1,000,000 operations (both with electrical latching function and with mechanical latching function)	Item Sl. No. 6(D)(i)	
04	With Buchholz relay trip & alarm indicator, pressure release valve indicator and magnetic oil level gauge trip and alarm indicator.	Item Sl. No. 2.1, 2.2 & 2.3	
05	Batteries should be of station type.	Item Sl. No. 35.1	
06	In house production of Original Equipment manufacturer.	Acceptable Make Sl. No. 3.1	


  
 (S. K. Das) 04/09/17  
 Superintending Engineer  
 Mechanical & Electrical Circle

**Memo No: 1425(10)/1T-6**

**Dated:04.09.2017**

Copy submitted for favours of kind information to :-

- 1) The Secretary to the Govt of West Bengal, I. & W. Directorate.
- 2) The Chief Engineer (South), I. & W. Directorate. Govt. of West Bengal
- 3) The Joint Secretary(Works) to the Govt of West Bengal, I. & W. Department
- 4) The Dy Secretary (Works) to the Govt of West Bengal, I. & W. Department
- 5) The Superintending Engineer, Metropolitan Drainage Circle, I&W Dte.
- 6) The Superintending Engineer, Eastern Circle, I&W Dte.
- 7) The Superintending Engineer, Western Circle-I, I&W Dte.
- 8) The Superintending Engineer, Greater Calcutta Drainage Circle, I&W Dte
- 9) The Superintending Engineer, Western Circle-II, I&W Dte.
- 10) The Financial Advisor, I & W Deptt.


  
(S. K. Dey) 04/09/17  
Superintending Engineer  
Mechanical & Electrical Circle

Memo No:1425/1(3)/1T- 6

Dated:04.09.2017

Copy Forwarded for favours of kind information to :-

- 1) The Executive Engineer, Metropolitan Drainage Mechanical Division for wide circulation.
- 2) The Executive Engineer & T.A to Superintending Engineer Mechanical & Electrical Circle for wide circulation.
- 3) The Director of information, department of Information & cultural Affairs,  
NABANNA (9<sup>th</sup> Floor) 325, Sarat Chatterjee Road, Howrah – 711102 for wide circulation.
- 4) The Notice Board of Mechanical & Electrical Circle.

  
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