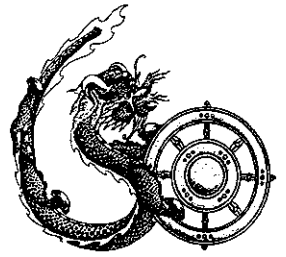




# འབྲུག་སྲོལ་མེ་ལས་འཛིན།

Bhutan Power Corporation Limited  
Registered Office, Thimphu  
Procurement Services Department  
Thimphu: Bhutan



BPC/PSD/2018 Materials/2017/13/555

August 21, 2017

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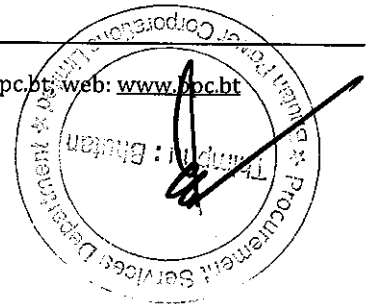
**Subject:** Addendum No. 2  
**Reference:** Tender No: BPC/2018 Materials/2017/13

Dear Sir(s)/ Madam(s),

This is with reference to above-mentioned tender whereby PSD, BPC has received the queries from the bidders. The response to the queries and additional information is given as below.

SL#	Query	Response
1	<u>Lot 1- Switching Equipment</u> <u>(11 &amp; 33) kV DO Fuse</u> If operating stick needs to be provided for DO fuse. If yes, i) Can you share the length of the operating stick ii) Does the Supplier has to supply ONE operating stick for each set	-Refer the attachment on Fiber glass telescopic insulated stick for operating DO fuse ii) Yes, ONE operating stick for each set and other parameters refer <b>Annexure 1.</b>
2	<u>Lot 4- CT</u> Technical Specification of the CT	As per given in price schedule
3	<u>Lot 5- CT Ring</u> If the requirement is CT in Tape wound Ring Type (or) Resin Cast Ring Type. Provide the VA, CLASS OF ACCURACY & INNER DIA of the CT	i. Required CT in Tape wound Ring Type ii. VA-5 iii. Class of Accuracy-1 iv. Inner Diameter of CT ring: 50/5 – 30 sq. mm 100/5- 50 sq. mm 200/5- 80 sq. mm 300/5 – 100 sq. mm 400/5 – 150 sq. mm 500/5 – 200 sq. mm v. Insulating level-12 V 3kV
	CT Rings can be supplied individually or it should be supply along with the meters	-CT Rings should be supplied individually

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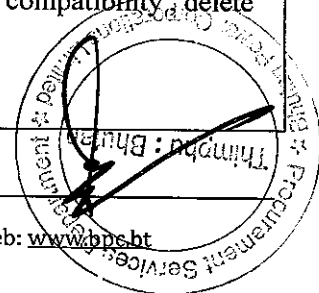


# འབྲུག་གྲོག་མེ་ལས་འཛིན།

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<p>4</p>	<p><u>Lot 6- Meters</u> <u>General:</u></p> <p>1) BIS marking on name plate NOT REQUIRED for sale outside India</p> <p>2) Sample submission not required</p> <p>3) 5 years warranty or 1 year as per earlier tender( ( we provided 1 ½ years from supply invoice date)</p> <p>4) Meter Sr no to be NUMERIC ( NOT ALFA NEUMERIC)</p> <p>5) Three phase Whole Current ( one rating ) I recommended 20-100 A instead of 10-80A ( if possible)</p>	<p>- BIS marking on name plate NOT REQUIRED</p> <p>- Sample submission not required</p> <p>-1 year warranty</p> <p>- Meter Sr. no to be NUMERIC</p> <p>-(10-80) A as per requirement</p>
	<p><u>Item#1- 1P (10-60)A</u></p> <p>1) Display sequence: As per the requirement of push button mode, six parameter will be repeated in push mode. Please delete the sentence "All display of auto mode and the following".</p> <p>2) Display sequence: Parameter no. 7 &amp; 8 will be repeated as already mentioned at parameter 27 in push button mode</p> <p>3) Average load factor is only required where utility are providing benefit or consumer customer is getting benefit</p> <p>4) Clarification required for point 5 of component list. Which type of port is required in the meter? It should be one optical and one RJ (RS232) port required.</p> <p>5) GTP point no. 20 sub clause ii: CT related and PT related tamer is applicable only for 3Ph meter. Spec should indicate no. of tamper per event mention in clause no. 12 ix. As per the referred clause (12 ix) 25 nos. each event will be logged in meter memory.</p>	<p>- Delete the sentence ("All display of auto mode and the following").</p> <p>- Parameter no. 7 &amp; 8 can be deleted</p> <p>- Parameter no. 19 can be deleted</p> <p>-Communication modules should be compatible for any of the following ports: RS 232, RS 485, RJ 45, USB</p> <p>-In GTP, SL# 20, under Electromagnetic compatibility, delete point (ii)</p>





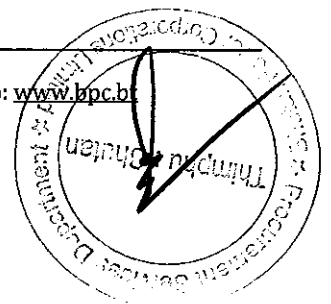
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<p><u>Item# 2 &amp; 3- 3p (5-30) A &amp; (10-80) A</u></p> <p>1) M4 screw with 6mm dia. is mentioned for terminal screw. But in next page terminal hole dia 5.5mm for 5-30A and 9.5mm for 10-80A. This is contradictory. It should be M4 screw (5mm dia) for 5-30A and M6 screw (6mm dia.) for 10-80A or 20-100 A.</p> <p>2) Display parameter: Auto mode sequence is not correct. As per the requirement of push button mode, six parameter will be repeated in push mode. Please delete the sentence "All display of auto mode and the following".</p> <p>3) Parameter mentioned in 35 and 36 not required as already mention in parameter no. 56. Display parameter (both auto and push mode) need to be rectified to get all the desired parameters without any repeat.</p> <p>4) EVE should be added in battery list as already mentioned in 1Ph specification</p>	<p>- For terminal screw M4 screw with 5mm dia for 5-30A and M6 screw with 6mm dia.) for 10-80A</p> <p>- Delete the sentence, ("All display of auto mode and the following").</p> <p>-Parameters 35 and 36 can be deleted</p> <p>- Add EVE in battery list as mentioned in 1P specification</p>
<p><u>Item# 4- 3P CTR X/5 Amps</u></p> <p>1) M4 screw with 6mm dia. is mentioned for terminal screw. But in next page terminal hole dia. 5.5mm required. It should be M4 screw with 5mm dia.</p> <p>2) Display parameter: Auto mode sequence is not correct. As per the requirement of push button mode, six parameter will be repeated in push mode. Please delete the sentence "All display of auto mode and the following".</p> <p>3) Parameter mentioned in 67 and 68 not required as already mention in parameter no. 87. Display parameter (both auto and push mode) need to be rectified to get all the desired parameters without any repeat.</p> <p>4) Auto cycle gap is mentioned 60 sec and 90 sec in two different clause. Need correction.</p> <p>5) Over load logic is not correct. This should be &gt; 120% of I<sub>max</sub> or I<sub>b</sub>.</p>	<p>-For terminal screw M4 screw with 5mm dia for 5-30A and M6 screw with 6mm dia.) for 10-80A</p> <p>- Delete the sentence, ("All display of auto mode and the following").</p> <p>- Parameters 67 and 68 can be deleted</p> <p>- Auto cycle gap is 60 sec</p> <p>-5 Amps of secondary current</p>

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འབྲུག་སྤྱོད་མེ་ལས་འཛིན།

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6) Abnormal power off tamper is not developed in our product.	-Delete point no. 1.13 Abnormal power off
7) EVE should be added in battery list as already mentioned in 1Ph specification.	- Add EVE in battery list as mentioned in 1P specification

For Lot 1- Switching Equipment

The quantity for item no. 2 (33 kV DO Fuse) and item no. 6 (33 kV Air Break Switch) has been changed. Please find the full revised **price schedule for the above mentioned items in Lot 1** as attached *Annexure 2*.

However, due to the above inclusion and additional information, no time extension shall be granted and the submission date and time shall remain the same.

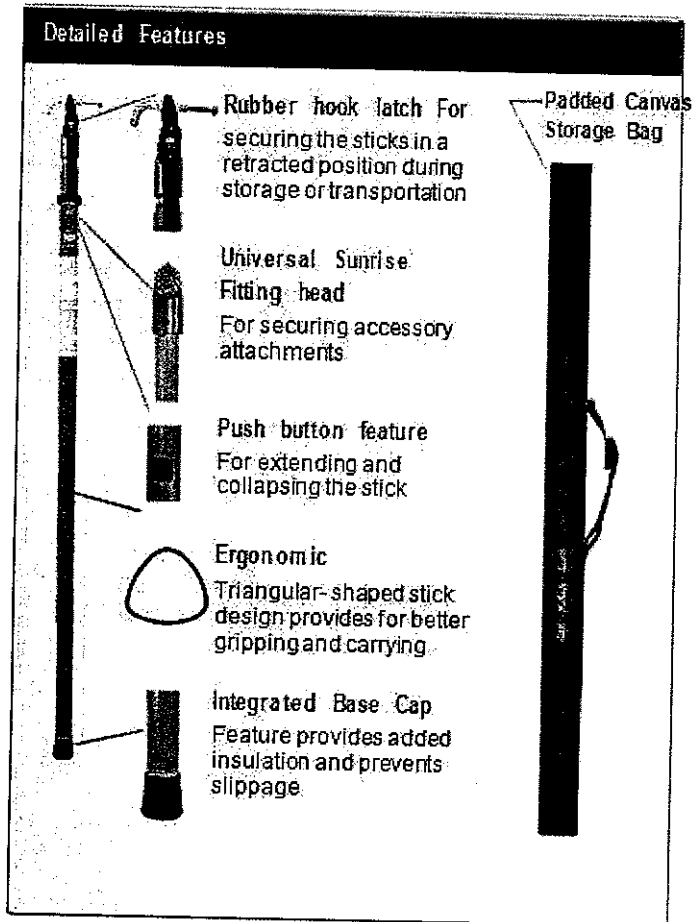
Yours sincerely

  
(Drukchu Dorji)  
General Manager



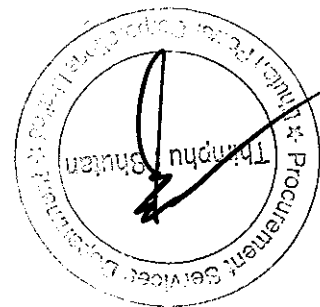
## Fibre glass telescopic insulated stick for operating DO fuse

Annexure 1



### FEATURES

- Triangular-shaped design keeps the sections aligned during extension not less than (7.78m) and retraction not more than (1.63m)
- Push button release for stick extension and retraction.
- Telescopic design allows for easy assembly, storage and transportation not more than (3.85Kg)
- Withstands voltage rating of 100kV from 30cm for 5 minutes.
- Universal end fitting accepts a wide variety of standard attachments.
- Highly visible yellow tip section.
- Easy-to-replace sections.
- Carrying bag included.
- Complies with IEC 62193 safety standard.



**Price Schedule**  
**Lot 1- Switching Equipment**

Sl#	Description	Unit	Qty	Country of Origin & Brand	Unit Rate DDP (Nu.)	Amount DDP (Nu.)
1	11 kV DO Fuse Unit with all accessories (1 set = 3 nos) as per specifications.	Set	86			
2	33 kV DO Fuse Unit with all accessories (1 set = 3 nos) as per specifications.	Set	76			
3	11 kV DO Fuse Unit with all accessories (1 set = 2 DO Fuses) as per specifications.	Set	1			
4	33 kV DO Fuse Unit with all accessories (1 set = 2 DO Fuses) as per specifications.	Set	6			
5	11 kV Air Break Switch complete with support frame, operating pipe and operating handle, etc. (1 set = 3 Nos) as per specifications.	Set	52			
6	33 kV Air Break Switch complete with support frame, operating pipe and operating handle, etc. (1 set = 3 Nos) as per specifications.	Set	39			

