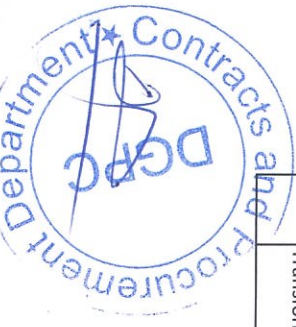


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| 4 | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | As mentioned in the SN - Part A, 9; is mentioned deluge valve local control panel (DVLCP) - Qty 5 Nos. | As we need DVLCP for each deluge spray system, and we have in all 14 nos. of deluge system. So what about the balance DVLCP for the rest of the spray system (9 nos.) | There are total of 4 units; each unit has three single phase (R/Y/B Phase) 35MVA transformer. So, in total there are 12 Transformer inside powerhouse. Instead of one DVLCP for individual transformer, we have considered one DVLCP which will serve for deluge system of three transformer. For this, the DVLCP should have designed in such a way that during the fire in either of the three transformers, the DVLCP shall operate the deluge system only to that affected transformer. Therefore, in our BOQ we have mentioned a total 5 Nos. DVLCP only i.e. 4 Nos. inside powerhouse and 1No. for 2Nos. 20MVA transformer at Switchyard. |
| 5 | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | | What about the Pylon Pipe supports for the deluge system. If required, please provide us the pipe size and quantity to be considered for the same. | we want to use old pylon pipe supports. Hence the requirement is not reflected in the BOQ. |
| 6 | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | | For 2 nos. 20 MVA Transformers at Switchyard, do we need to consider deluge valve housing? If yes please provide us the specification for the same. | Deluge valve housing is in the scope of the purchaser, so supplier need not include in their scope of supply. |
| 7 | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | | What is the distance of the tapping point from the source of existing fire water to the 20 MVA Transformer at Switch yard and to the 35 MVA Power Transformer inside Power house. | The distance of tap-off point for 20MVA transformer is approx. 30Mtrs, and for 35 MVA transformer inside powerhouse is 100 mtrs. |
| WATER MIST SYSTEM FOR GENERATORS | | | | |
| 1 | As per Form 17A: Bill of Quantities - Part B - Water Mist Fire Extinguishing System for Generators. | As mentioned in the SN - Part A, 1; is mentioned that MS ERW pipes as per IS 1239 part 1, Heavy grade. | Now the pipes as mentioned is used in the upstream side of the deluge valve and GI ERW pipes as per IS 1239 part 1, Heavy grade are used in the downstream side of the deluge valve for HVWS system for Transformer protection. So is the pipe quantity mentioned for particular pipe size consists of both MS pipe and GI pipes? If yes, then request you to provide separately the pipe quantity for MS pipe and GI pipes. Other wise, please provide us the pipe size and quantity of GI pipes at the downstream side of deluge valve. | All the pipes shall be heavy grade (Class C), ERW MS pipes |



Reference NIT No. : NIT No: DGPC/CPD/CMPD/17/2022/271 dated July 15, 2022
REPLACEMENT & UPGRADEATION OF FIRE PROTECTION SYSTEM OF CHHUKHA HYDRO POWER PLANT:

| Sl. no. | CI no. | Description | Bidder's query | DGPC Response | |
|----------------|--------|--|--|--|---|
| GENERAL | | | | | |
| 1 | | As per NIT of Replacement and Upgradeation of Fire Protection System of Chhukha hydro power plant | <p>HVWS SYSTEM: Supply, erection, testing & commissioning of 12 nos. 35 MVA power transformers at Underground Powerhouse and 2 nos. 20 MVA power transformers at Switchyard</p> <p>WATER MIST SYSTEM: Supply, erection, testing & commissioning of 4 nos. Hydro generators at Underground Powerhouse</p> | <p>Is it BOQ Based or do we need to design the system and quote on lumpsum basis?</p> <p>Incase we need to design the system then please provide us the GA drawing for the 35 MVA and 20 MVA Power Transformers.</p> | <p>System designing is not required. Supply & erection of the system shall be as per the existing layout & BOQ mentioned in the NIT. However, exact requirement of the pipelines and its accessories may vary slightly as per the site situation.</p> |
| 2 | | As per NIT of Replacement and Upgradeation of Fire Protection System of Chhukha hydro power plant | <p>HIGH VELOCITY WATE SPRAY SYSTEM</p> | <p>Is it BOQ Based or do we need to design the system and quote on lumpsum basis?</p> <p>Incase we need to design the system then please provide us the GA drawing for the hydro generators.</p> | <p>System designing is not required. Supply & erection of the system shall be as per the existing layout & BOQ mentioned in the NIT. However, exact requirement of the pipelines and its accessories may vary slightly as per the site situation.</p> |
| 1 | | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | <p>As mentioned in the SN - Part A, 1: is mentioned that MS ERW pipes as per IS 1239 part 1, Heavy grade.</p> | <p>Now the pipes as mentioned is used in the upstream side of the deluge valve and GI ERW pipes as per IS 1239 part 1, Heavy grade are used in the downstream side of the deluge valve for HVWS system for Transformer protection. So is the pipe quantity mentioned for particular pipe size consists of both MS pipe and GI pipes?</p> <p>If yes, then request you to provide separately the pipe quantity for MS pipe and GI pipes.</p> <p>Other wise, please provide us the pipe size and quantity of GI pipes at the downstream side of deluge valve.</p> | <p>All the pipes shall be heavy grade (Class C), ERW MS pipes</p> |
| 2 | | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | <p>As mentioned in the SN - Part A, 4: is mentioned deluge valve of size 100 NB, Wet pilot type.</p> | <p>Shall we consider Cast Iron or Cast Steel deluge valve?</p> | <p>Please consider for Cast Iron</p> |
| 3 | | As per Form 17A: Bill of Quantities - Part A - HVWS for 12 nos. 35 MVA Transformers inside power house and 2 nos. 20 MVA Transformers at Switchyard. | <p>As mentioned in the SN - Part A, 5: is mentioned water type butterfly valve of size 100 NB, one at the upstream and one at the downstream of DV with</p> | <p>Shall we consider Cast Iron or Cast Steel butterfly valve?</p> | <p>Please consider for Cast Iron</p> |



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| 2 | As per Form 17A: Bill of Quantities - Part B - Water Mist Fire Extinguishing System for Generators. | As mentioned in the SN - Part A, 4: is mentioned deluge valve of size 100 NB. | Shall we consider Cast Iron or Cast Steel deluge valve? | Please consider for Cast Iron |
| 3 | As per Form 17A: Bill of Quantities - Part B - Water Mist Fire Extinguishing System for Generators. | | What is the distance of the tapping point from the source of existing fire water to the Generator unit. | The distance of tap-off point is 5 mtrs. |



