

**Clarifications-NIT 26846\_345E343**

**(North Karanpura-FPS)**

Composite piping layout provided earlier had 2 nos. tap-offs for spray system, however there is only one no. tap-off point for the spray system. **Hence New Composite piping layout attached herewith shall be considered. Composite piping layout as per DRGS Part—2 (Pg.10) is not be considered.**

Details of the water tap-off points for switchyard FPS is below:

1) Pressure availability of the hydrant system at the tap-off (GTV - 09 and GTV- 11) for switchyard area, considering flow at each terminal is 100 m<sup>3</sup>/hr. -

**GTV -09 and GTV-11– Apprx. 9 to 10 Kg/cm<sup>2</sup> (Absolute)**

**Assuming pressure at pump inlet is 1 kg/cm<sup>2</sup> (Abs)**

2) Pressure availability of the spray system at the tap-off (GTV - 10) for switchyard area, considering flow at terminal is 360 m<sup>3</sup>/hr or 6000 lpm -

**GTV -10 – Apprx. 9 to 10 Kg/cm<sup>2</sup> (Absolute)**

**Assuming pressure at pump inlet is 1 kg/cm<sup>2</sup> (Abs)**

3) Details of pumps provided in Fire fighting pump house are as follows -

- a) Hydrant Pumps - Total 04 Pumps - (03 Nos - Motor Driven as working and 1 No. Diesel Driven as Stand-by). Rated Capacity for each pump is 105 MWC at 410 m<sup>3</sup>/hr.
- b) Spray pumps - Total 03 Pumps - (02 Nos Motor driven as Working and 1 no. Diesel Driven as Stand-By). Rated Capacity for each pump is 105 MWC at 410 m<sup>3</sup>/hr.