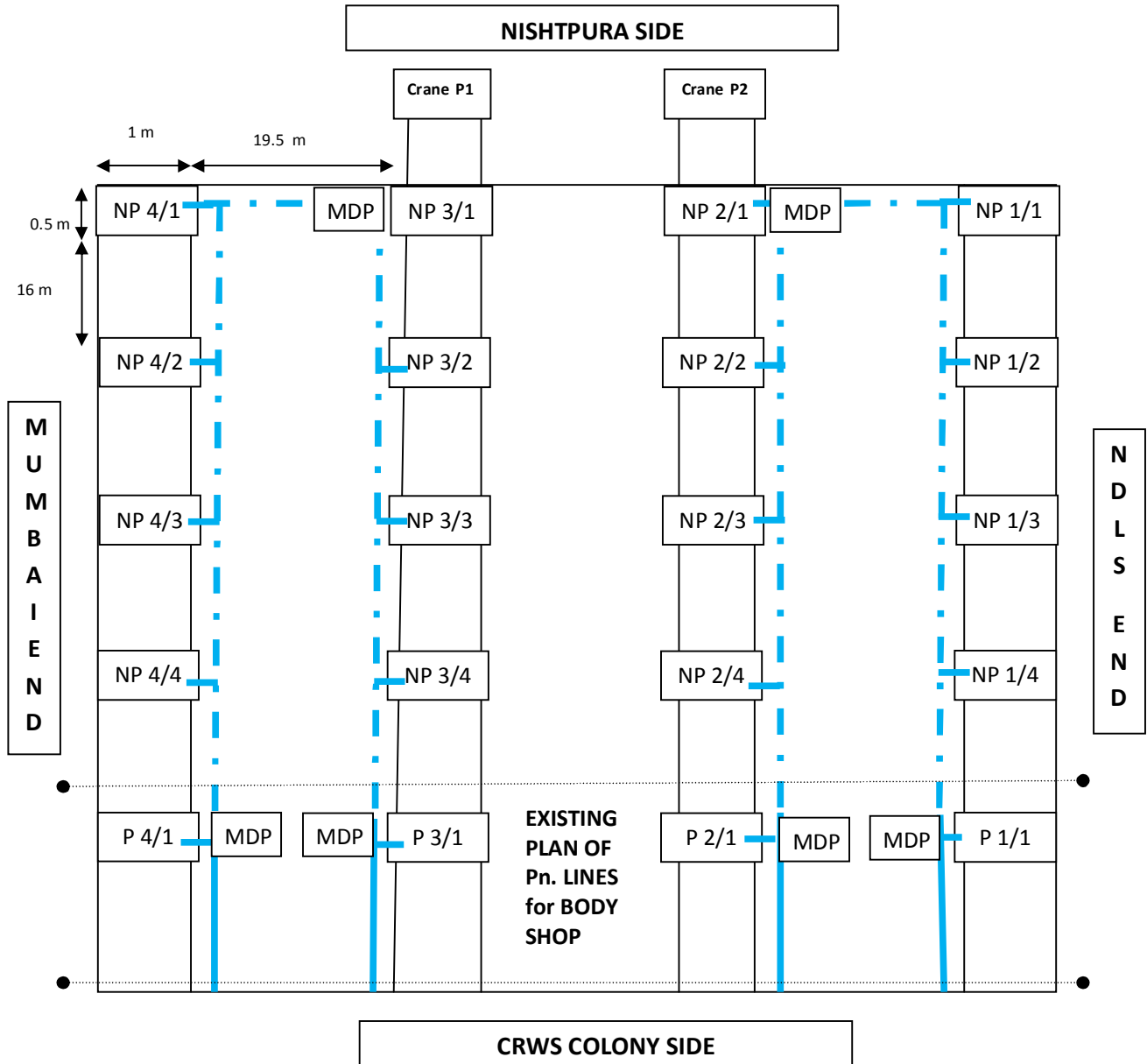
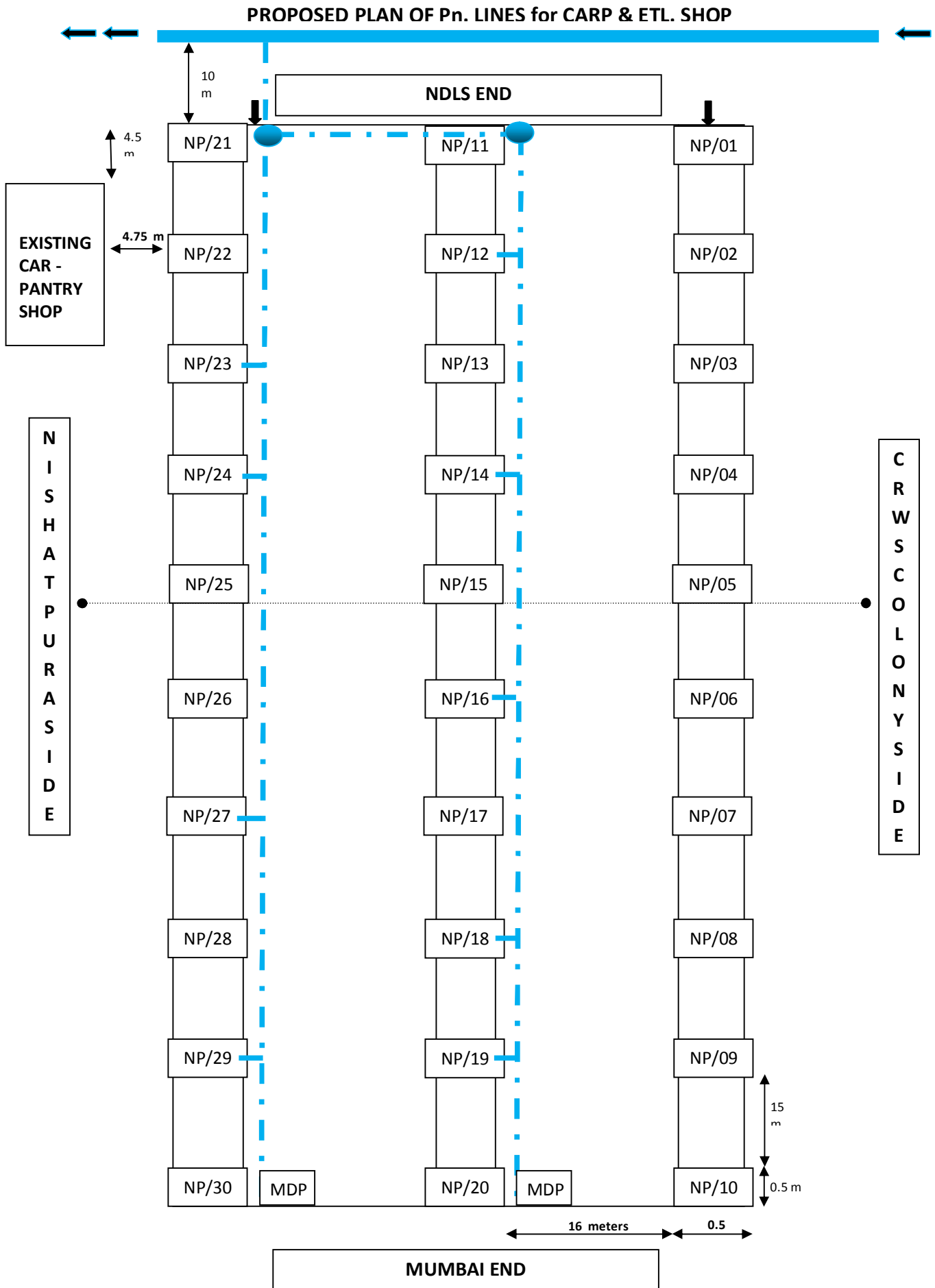


- Note:
1. No. of down takes required 09 nos.
  2. No. of moisture drain point 03
  3. Total expected length of Pn. Pipe line 185m.
  4. Pn. Pipe line size required @ 50mm Ø
  5. Pn. Pipeline 15NB = 15m.
  6. Valve 50NB = 02 nos.
  7. Valve 25NB = 09 nos.
  8. Valve 20NB = 18 nos.
  9. Valve 15NB = 03 nos.
  10. Flange = 12 pairs.
  11. FRL = 05 nos.
  12. Pipe 25 NB = 45 m.
  13. Pipe 20 NB = 10 m.
  14. Angle Iron 65X65mm = 68.58 Kg. ( 2.34Kr X 37)
  15. U – bolt & nut to suit pipe range 50 NB to 15 NB pipe = 37 nos. 400 gm.

## PROPOSED PLAN OF Pn. LINES for BODY SHOP



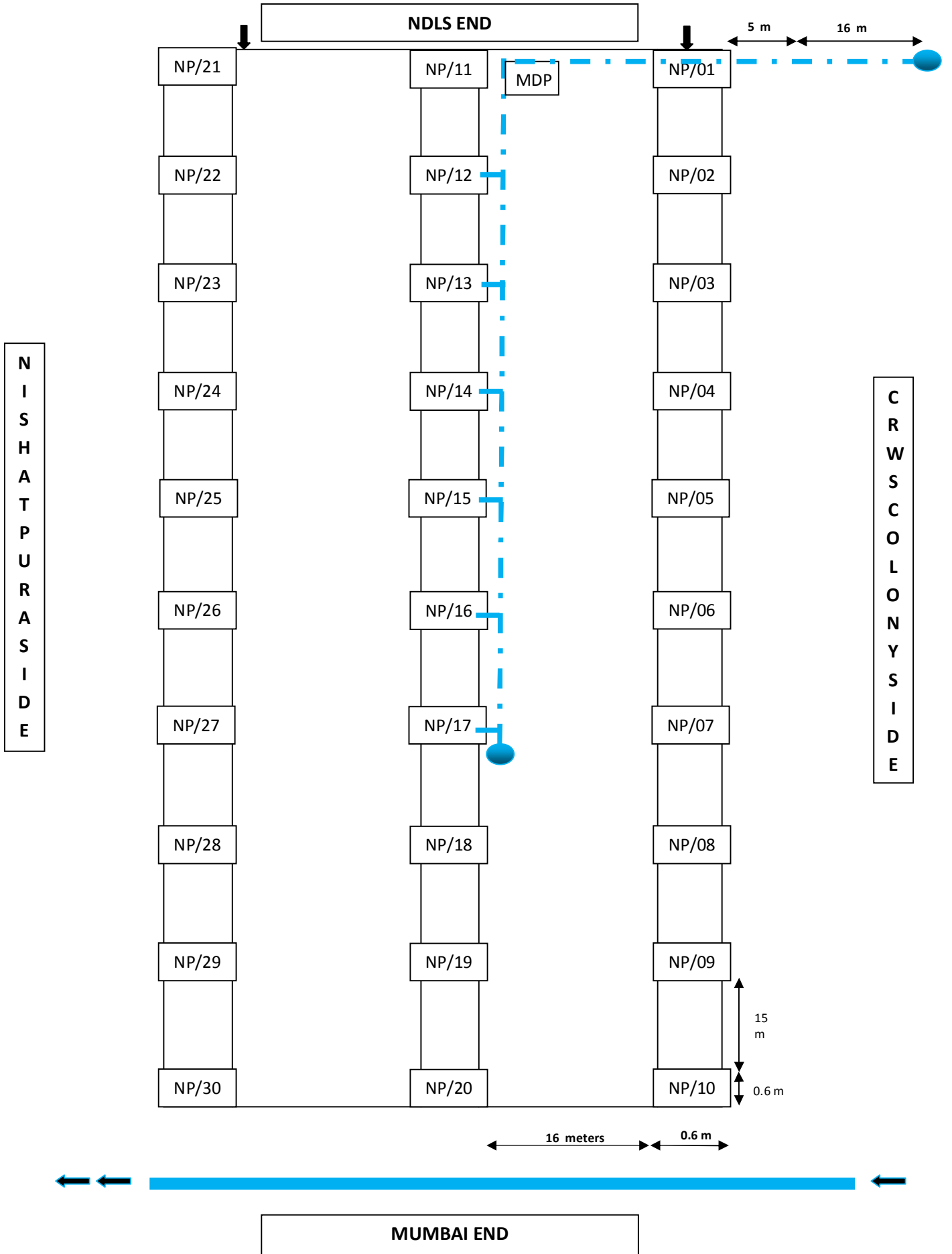
- Note:
1. No. of down takes required 15 nos.
  2. No. of moisture drain point 02
  3. Total expected length of Pn. Pipe line **300 m.**
  4. Pn. Pipe line size required @ 100mm Ø
  5. Where **MDP = Moisture Drain Point.**
  6. Valve 6 100 NB = 04 nos.
  7. Valve 6 25 NB = 15 nos.
  8. Valve 6 20 NB = 30 nos.
  9. Valve 6 15 NB = 02 nos.
  10. FRL = 05 nos.
  11. Angle support = 50 nos. (1 of 2.34 Kg) = **[117 kg.]**
  12. -Uøbolt 100 NB to 15 NB= 50 nos. × 400gms. = **20 Kg.**
  13. Flange 100 NB = 20 pairs.
  14. Pipe 25 NB = 75 m. (**1 Down take will be of 5 m.**)
  15. Pipe 20 NB = 15 m. (**1 Down take will be of 1 m.**)
  16. Pipe 15 NB = 10 m. (**1 Down take will be of 5 m.**)



**PROPOSED PLAN OF Pn. LINES for CARP & ETL. SHOP**

- Note:
1. No. of down takes required 09 nos.
  2. No. of moisture drain point 02
  3. Total expected length of Pn. Pipe line **310 m.**
  4. Pn. Pipe line size required @ 80mm Ø
  5. Where **MDP = Moisture Drain Point.**
  6. Valve ø 80 NB = 02 no.
  7. Valve ø 25 NB = 09 nos.
  8. Valve ø 20 NB = 18 nos.
  9. Valve ø 15 NB = 02 no.
  10. FRL = 04 nos.
  11. Angle support = 55 nos. (1 of 2.34 Kg) = **[129 kg.]**
  12. -Uøbolt 80 NB to 15 NB= 55 nos. × 400gms. = **22 Kg.**
  13. Flange 80 NB = 20 pairs.
  14. Pipe 25 NB = 45 m. **(1 Down take will be of 5 m.)**
  15. Pipe 20 NB = 10 m. **(1 Down take will be of 1 m.)**
  16. Pipe 15 NB = 10 m. **(1 Down take will be of 5 m.)**

### PROPOSED PLAN OF Pn. LINES for PAINT SHOP



**MATERIAL FOR PROPOSED PLAN OF Pn. LINES OF PAINT SHOP**

- Note:
1. No. of down takes required 05 nos.
  2. No. of moisture drain point 01
  3. Total expected length of Pn. Pipe line **135 m.**
  4. Pn. Pipe line size required @ 80mm Ø
  5. Where **MDP = Moisture Drain Point.**
  6. Valve ó 80 NB = 01 no.
  7. Valve ó 25 NB = 05 nos.
  8. Valve ó 20 NB = 10 nos.
  9. Valve ó 15 NB = 01 no.
  10. FRL = 05 nos.
  11. Angle support = 21 nos. (1 of 2.34 Kg) = **[50 kg.]**
  12. ÆUøbolt 100 NB to 15 NB= 21 nos. × 400gms. = **8.5 Kg.**
  13. Flange 80 NB = 07 pairs.
  14. Pipe 25 NB = 25 m. (**1 Down take will be of 5 m.**)
  15. Pipe 20 NB = 05 m. (**1 Down take will be of 1 m.**)
  16. Pipe 15 NB = 05 m. (**1 Down take will be of 5 m.**)