

AREA CALCULATION SHEET AS PER APPROVED LAYOUT PLAN

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT APPROACH TO BPCL RETAIL OUTLET ON BAHRAICH-SITAPUR ROAD (SH-30B), IN KM NO. 78, (CH. NO. 77.022 TO 77.057, LHS), AT KHASRA NO. – 1447, VILLAGE:- GOVARDHANPUR, TEHSIL:-BISWAN, DISTRICT:-SITAPUR (U.P.)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= AA1A2 + A1A2A3A4 + A3A4A5 + A4A5B5 + B4B5A5 + B3B4A5 + B2B3B4 + B1B2B3 + BB1B2 \\ &= \{1/2 \times (30.0m \times 5.5m)\} + (30.38237m \times 5.5m) + \{1/2 \times (4.60655m \times 5.5m)\} + \{1/2 \times (6.51143m \times 3.5m)\} \\ &\quad + \{1/2 \times (4.88389m \times 7.2m)\} + \{1/2 \times (4.68952m \times 7.44m)\} + \{1/2 \times (6.16211m \times 7.97m)\} \\ &\quad + \{1/2 \times (5.75901m \times 8.44m)\} + \{1/2 \times (9.8574m \times 9.06m)\} \\ &= 82.5 \text{ SqM} + 167.103 \text{ SqM} + 12.668 \text{ SqM} + 11.395 \text{ SqM} + 17.582 \text{ SqM} + 17.445 \text{ SqM} + 24.556 \text{ SqM} \\ &\quad + 24.303 \text{ SqM} + 44.654 \text{ SqM} \\ &= 402.206 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Entry approach to Retail Outlet

$$\begin{aligned} &= AA2G1G + G1G2A4A2 + A4G2B1 \\ &= (30.0m \times 2.25m) + (29.74134m \times 2.25m) + \{1/2 \times (21.80712m \times 2.25m)\} \\ &= 67.5 \text{ SqM} + 66.918 \text{ SqM} + 24.533 \text{ SqM} \\ &= 158.951 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit (Separator)

$$\begin{aligned} &= BFA1 + B C E F + CED1 \\ &= [(50.0m \times 17.86m) - \{3.14 \times (50.0m \times 17.86m)/4\}] + (15.0m \times 17.86m) + [(80.0m \times 17.86m) - \{3.14 \times (80.0m \times 17.86m)/4\}] \\ &= 191.995 \text{ SqM} + 267.9 \text{ SqM} + 307.192 \text{ SqM} \\ &= 767.087 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= DD1D2 + D1D2D3D4 + D3D4D5 + D4D5D6 + D5D6C5 + D6C5C3 + C3C4C5 + C2C3C4 + C1C2C3 + CC1C2 \\ &= \{1/2 \times (5.5m \times 30.0m)\} + (61.638m \times 5.5m) + \{1/2 \times (4.93528m \times 5.5m)\} + \{1/2 \times (4.23355m \times 6.714m)\} \\ &\quad + \{1/2 \times (3.52187m \times 7.5m)\} + \{1/2 \times (3.5384m \times 7.5m)\} + \{1/2 \times (5.51734m \times 7.96m)\} \\ &\quad + \{1/2 \times (4.34667m \times 8.1m)\} + \{1/2 \times (3.74659m \times 8.5m)\} + \{1/2 \times (4.6686m \times 10.0m)\} \\ &= 82.5 \text{ SqM} + 339.009 \text{ SqM} + 13.572 \text{ SqM} + 14.212 \text{ SqM} + 13.207 \text{ SqM} + 13.269 \text{ SqM} + 21.959 \text{ SqM} \\ &\quad + 17.604 \text{ SqM} + 15.923 \text{ SqM} + 23.343 \text{ SqM} \\ &= 554.598 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Exit approach from Retail Outlet

$$\begin{aligned} &= DD2H1H + H1H2D3D2 + H2D3C1 \\ &= (30.0m \times 2.25m) + (61.43823m \times 2.25m) + \{1/2 \times (15.23734m \times 2.25m)\} \\ &= 67.5 \text{ SqM} + 138.236 \text{ SqM} + 17.142 \text{ SqM} = 222.878 \text{ SqM} \end{aligned}$$


26/10/20
Achint Bhavsar
Territory Manager (Retail)
BPCL Corporation
Territory

Total Protected Forest Area Proposed to be Diverted

= 402.206 (Entry Area) SqM + 158.951 (Entry Earthen shoulder) SqM + 767.087 (Separator) SqM +
554.598 (Exit Area) SqM + 222.878 (Exit Earthen shoulder) SqM
= 2105.72 SqM
= 0.210572 Ha.

Total Area of Non Forest Land/Private Land as per Layout Plan

= Private land area = area of parallelogram shape plot BCHI = base (m) x height (m)
= (35.0m x 35.0m) = 1225.0 SqM
= 0.1225 Ha.


क्षेत्रीय वन अधिकारी
बिसवाँ-सीतापुर


26/10/20
Achint Bhavsar
(Authorised Signatory)
Territory Manager (Retail)
Bharat Petroleum Corporation Limited
Bareilly Retail Territory


प्रभागीय निदेशक
सामाजिक वानिकी वन प्रभाग
सीतापुर