

AREA CALCULATION SHEET AS PER APPROVED LAYOUT PLAN

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY / EXIT APPROACH TO BHARAT PETROLEUM CORPORATION LIMITED RETAIL OUTLET ON UTRAULA-FAIZABAD-ALLAHABAD ROAD (SH-9) IN KM. NO. 53 (CH. NO.- 52.249, RHS), AT GATA NO. – 1299, VILLAGE:- BAHADURA, TEHSIL:- TARABGANJ, DISTRICT:- GONDA (U.P.)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= AA1A2 + A1A2A3A4 + A3A4A5 + A3A5B5 + B5B6A5 + B4B5B6 + B3B4B5 + B2B3B4 + B1B2B3 + BB1B2 \\ &= \{1/2 \times (30.0m \times 5.5m)\} + (32.37019m \times 5.5m) + \{1/2 \times (7.62982m \times 5.5m) + \{1/2 \times (4.87946m \times 7.4m) + \{1/2 \times (7.69091m \times 4.4m)\} + \{1/2 \times (8.91334m \times 4.8m)\} + \{1/2 \times (3.53867m \times 10.5m)\} + \{1/2 \times (10.3175m \times 4.0m)\} + \{1/2 \times (11.22715m \times 4.2m)\} + \{1/2 \times (11.42434m \times 6.0m)\} \\ &= 82.5 \text{ SqM} + 178.036 \text{ SqM} + 20.982 \text{ SqM} + 18.054 \text{ SqM} + 16.92 \text{ SqM} + 21.392 \text{ SqM} + 18.578 \text{ SqM} + 20.635 \text{ SqM} + 23.577 \text{ SqM} + 34.273 \text{ SqM} \\ &= 434.947 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Entry approach to Retail Outlet

$$\begin{aligned} &= GG1A2A + G1G2A3A2 + G2A3B1 \\ &= (30.0m \times 2.5m) + (32.3704m \times 2.5m) + \{1/2 \times (16.6184m \times 2.5m)\} \\ &= 75.0 \text{ SqM} + 80.926 \text{ SqM} + 20.773 \text{ SqM} \\ &= 176.699 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit (Separator)

$$\begin{aligned} &= A1FB + B C E F + D1EC \\ &= [(51.5m \times 19.36m) - \{3.14 \times (51.5m \times 19.36m)/4\}] + (12.0m \times 19.36m) + [(81.5m \times 19.36m) - \{3.14 \times (81.5m \times 19.36m)/4\}] \\ &= 214.364 \text{ SqM} + 232.32 \text{ SqM} + 339.236 \text{ SqM} \\ &= 785.92 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= DD1D2 + D1D2D3D4 + D3D4D5 + D4D5C3 + C3C4D5 + C1C3C4 + C2C1C4 + CC1C2 \\ &= \{1/2 \times (30.0m \times 5.5m)\} + (62.61637m \times 5.5m) + \{1/2 \times (7.38364m \times 5.5m)\} + \{1/2 \times (4.76239m \times 8.4m)\} + \{1/2 \times (8.6825m \times 4.0m)\} + \{1/2 \times (6.0m \times 9.1m)\} + \{1/2 \times (10.82449m \times 5.8m)\} + \{1/2 \times (8.1268m \times 10.6m)\} \\ &= 82.5 \text{ SqM} + 344.39 \text{ SqM} + 20.305 \text{ SqM} + 20.002 \text{ SqM} + 17.365 \text{ SqM} + 27.3 \text{ SqM} + 31.391 \text{ SqM} + 43.072 \text{ SqM} \\ &= 586.325 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Exit approach from Retail Outlet

$$\begin{aligned} &= HH1D2D + H1H2D2D4 + H2D4C1 \\ &= (30.0m \times 2.5m) + (62.6164m \times 2.5m) + \{1/2 \times (12.8224m \times 2.5m)\} \\ &= 75.0 \text{ SqM} + 156.541 \text{ SqM} + 16.028 \text{ SqM} \\ &= 247.569 \text{ SqM} \end{aligned}$$

अजय सी. रिड्ज
प्रारंभिक प्रबन्धक (खुदरा) गोंडा / Territory Manager (Retail) Gonda
भारत पेट्रोलियम लिमिटेड / Bharat Petroleum Corporation Limited

Total Protected Forest Area Proposed to be Diverted

= 434.947 (Entry Area) SqM + 176.699 (Entry Earthen shoulder) SqM + 785.92 (Separator) SqM +
586.325 (Exit Area) SqM + 247.569 (Exit Earthen shoulder) SqM
= 2231.46 SqM
= **0.223146 Ha.**

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

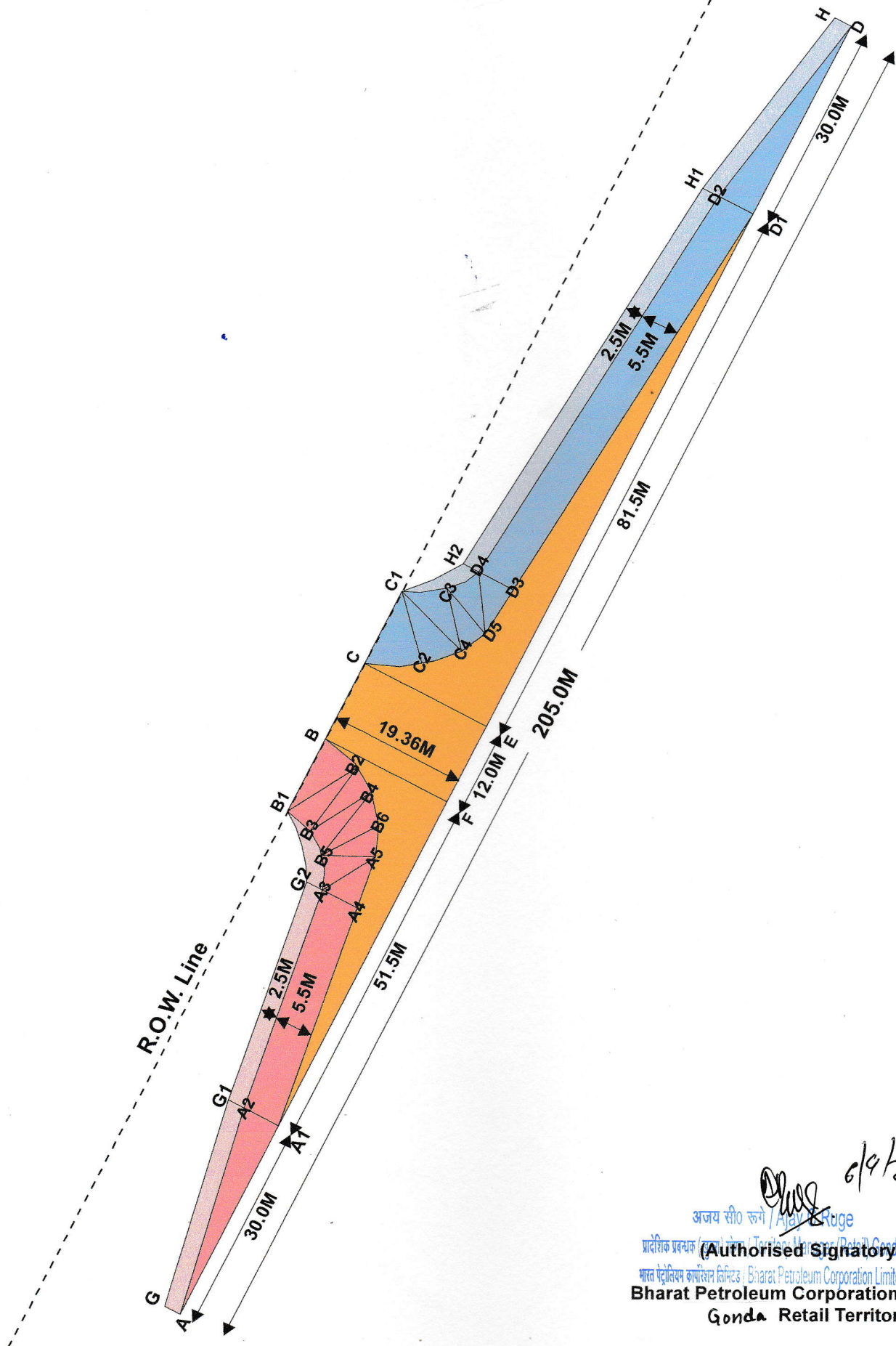
= Area of Retail outlet Private Land = area of square = side (m) x side (m)
= (35.0m x 35.0m) = 1225.0 SqM
= **0.1225 Ha.**


(Authorised Signatory)


Ajay C Ruge
Territory Manager (Retail) Gonda
Bharat Petroleum Corporation Limited
Gonda Retail Territory

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अजय सी० रूगे / Ajay S. Ruge
 प्रादेशिक प्रबन्धक (Area Officer / Territory Manager / Retail Gonda)
 (Authorised Signatory)
 भारत पेट्रोलेियम कॉर्पोरेशन लिमिटेड / Bharat Petroleum Corporation Limited
 Bharat Petroleum Corporation Limited
 Gonda Retail Territory