AREA CALCULATION SHEET AS PER APPROVED
LAYOUT PLAN

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT APPROACH TO HINDUSTAN PETROLEUM CORPORATION LIMITED RETAIL OUTLET ON BAHRAICH-FAIZABAD-AZAMGARH ROAD (SH-30) IN KM. NO. 57 (RHS), AT GATA NO–58, VILLAGE:-MUNDERWA KALAN, TEHSIL:-GONDA, DISTRICT:- GONDA (U.P.)

Entry Area approach to Retail Outlet

= AA1A2 + A1A2A3A4 + A3A4B5 + B3B5A4 + B3B4B5 + B2B3B4 + B1B2B3 + BB1B2

= {1/2 x (30.0mx 5.5m)} + (32.42691m x 5.5m) + {1/2 x (7.573091m x 5.5m)} + {1/2 x (5.42515m x 7.0m)} + {1/2 x (6.126591m x 8.8m)} + {1/2 x (5.09523m x 10.9m)} + {1/2 x 6.40437m x 11.0m)} + {1/2 x (5.74925m x 11.9m)}

= 82.5 SqM + 178.348 SqM + 20.826 SqM + 18.988 SqM + 26.957 SqM + 27.769 SqM + 35.224 SqM + 34.208 SqM

= 424.82 SqM

Area of Earthen Shoulder along Entry approach to Retail Outlet

= AA2G1G + G1G2A2A4 + G2A4B1

= (30.0m x 2.25m) + (32.42712m x 2.25m) + {1/2 x (14.70489m x 2.25m)}

= 67.5 SqM + 72.961 SqM + 16.543 SqM

= 157.004 SqM

Area in Between Entry & Exit (Separator)

= A1FB + BCEF + CED1

= [(51.5m x 17.86m) - {3.14 x (51.5m x 17.86m)/4}] + (12.0m x 17.86m) + [{(81.5m x 17.86m) − {3.14 x (81.5m x 17.86m)/4}]

= 197.755 SqM + 214.32 SqM + 312.952 SqM

= 725.027 SqM

Area of Exit approach from Retail Outlet

= DD1D2 + D1D2D3D4 + D3D4D5 + D3D5D6 + D5D6C5 + C4C5D6 + C3C4D6 + C2C3C4 + C1C2C3 + CC1C2

= {1/2 x (30.0m x 5.5m)} + (62.73564m x 5.5m) + {1/2 x (7.26437m x 5.5m)} + {1/2 x (4.41946m x 7.4m)} + {1/2 x (7.45715m x 4.2m)} + {1/2 x (8.76847m x 2.6m)} + {1/2 x (9.60182m x 2.2m)} + {1/2 x (4.46808m x 10.4m)} + {1/2 x (10.76053m x 3.8m)} + {1/2 x (6.21128m x 11.0m)}

= 82.5 SqM + 345.046 SqM + 19.977 SqM + 16.352 SqM + 15.66 SqM + 11.399 SqM + 10.562 SqM + 23.234 SqM + 20.445 SqM + 34.162 SqM

= 579.337 SqM

15/6/21

Sanjay Kumar
Duly Constituted Attorney
Hindustan Petroleum Corporation Limited

Area of Earthen Shoulder along Exit approach from Retail Outlet

= HH1D2D + D2D3H2H1 + D3H2C1

= (30.0m x 2.25m) + (62.73556m x 2.25m)} + {1/2 x (12.48623m x 2.25m)}

= 67.5 SqM + 141.155 SqM + 14.047 SqM

= 222.702 SqM

Total Protected Forest Area Proposed to be Diverted

= 424.82 (Entry Area) SqM + 157.004 (Entry Earthen shoulder) SqM + 725.027 (Separator) SqM + 579.337 (Exit Area) SqM + 222.702 (Exit Earthen shoulder) SqM

= 2108.89 SqM

= 0.210889 Ha.

Total Area of Non-Forest Land as per Layout Plan

= Non-Forest land area calculation =

= area of parallelogram shape plot = {base (m) x height (m)}

= (35.0m x 35.0m) = 1225.0 SqM
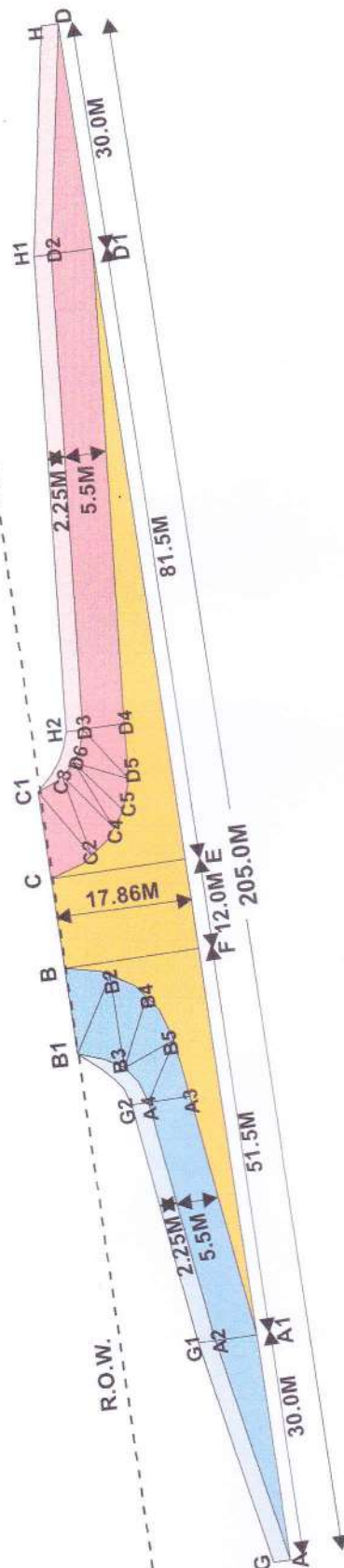
= 0.1225 Ha.

15/6/21

(Authorized Signatory)

**Hindustan Petroleum Corporation Ltd.
Gorakhpur Retail Regional Office**

Sanjay Kumar
Duly Constituted Attorney
Hindustan Petroleum Corporation Limited

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(SH-30) IN KM. NO. 57 (RHS) AT GATA NO–58, VILLAGE:-MUNDERWA KALAN,
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