

वन विभाग, हरियाणा सरकार

कार्यालय उप वन संरक्षक, क्षेत्रीय मण्डल, गुरुग्राम
वन परिसर, सोहना रोड, नजदीक न्यायालय परिसर, गुरुग्राम, दूरभाष-0124-2322057

क्रमांक: 1907-C
सेवा. में

दिनांक: 24/01/24

अति० प्रधान मुख्य वन संरक्षक (एफ०सी०ए०),
कार्यालय प्रधान मुख्य वन संरक्षक,
सी-18, वन भवन, सैक्टर-6,
पंचकूला, हरियाणा।

विषय:-

Diversion of 12.4115 hac (in place of 13.4 ha) of forest land in favour of Dy. Chief Engineer/Civil/GGN, National Capital Region Transport Corporation, Gurugram (A joint venture of Govt. of India & participating State Governments) for implementation of Delhi_Gurugram RRTS Corridor Delhi to SNB 106.5km. & 16 no. Station-Sarai Kale Khan, INA, Munirka, Aerocity, Udyog Vihar, Sector 17, Rajiv Chowk, Kherki Daula, Manesar, Panchgaon, Bilaspur, Dharuhera, MBIR, Rewari, Under forest division & Distt. Gurugram . (Proposal No. FP/HR/Rail/43886/2020)

सन्दर्भ:-

आपके कार्यालय का पत्र क्रमांक प्रशा-डी-तीन-9991/2691-92 दिनांक 18.01.2024

उपरोक्त विषय के सम्बन्ध में आपको अवगत करवाया जाता है कि प्रयोक्ता ऐजेंसी द्वारा रिवाइज्ड एरिया बारे पत्र इस कार्यालय को दिया गया है तथा उन द्वारा सूचित किया गया है कि उन द्वारा 13.0367 है० वन क्षेत्र का संशोधित प्रस्ताव तैयार कर लिया गया है, परन्तु परिवेश पोर्टल पर ऑनलाइन पार्ट वन में एरिया लाकड हाने के कारण संशोधन नहीं किया जा सका। NIC हेल्पलाइन से चर्चा करने पर बताया गया कि इसे केवल नोडल कार्यालय द्वारा ही बदला जा सकता है। अतः प्रयोक्ता ऐजेंसी द्वारा प्राप्त पत्र की प्रति व मैप पत्र के साथ भेजते हुये आपसे अनुरोध है कि प्रस्तावित केस में परिवेश पोर्टल पर ऑनलाइन पार्ट वन में एरिया संशोधित करने का कष्ट करें। इसके अलावा प्रयोक्ता ऐजेंसी द्वारा प्रस्ताव को लम्बित रखने हेतु दिये गए प्रार्थना पत्र की प्रति भी पत्र के साथ सलग्न है।

पू० क्रमांक/ 1908-9
एक प्रति निम्न को:-

दिनांक/ 24/01/24

उप वन संरक्षक,
गुरुग्राम।
23/01/24

1. मुख्य वन संरक्षक, दक्षिणी परिमण्डल, गुरुग्राम
2. NCRTC, Sector-29, Gurugram
को सूचनार्थ प्रेषित है।

उप वन संरक्षक,
गुरुग्राम।
23/01/24

NCRTC/CPM-GGN/Protected Forest/2019/116

दिनांक 19.01.2024

सेवा में,
उप वन संरक्षक/ गुड़गाँव
वन विभाग, सोहना रोड, (मिनी सचिवालय के पास),
सेक्टर-11, गुरुग्राम-122001

विषय: Regarding revision of proposal no. FP/HR/RAIL/43886/2020 for diversion of 13.0367 Ha instead of 12.4115 Ha. forest land for implementation of Delhi – SNB RRTS corridor in Gurugram District.

- संदर्भ: (i) प्रस्ताव क्र. FP/HR/RAIL/43886/2020
(ii) वन विभाग गुरुग्राम पत्र क्र. D-III-28/2021/1837-38 दि. 19.10.23
(iii) इस कार्यालय का पत्र क्र. NCRTC/CPM-GGN/Protected Forest/2019/116 दि. 10.01.2024
(iv) वन विभाग पंचकूला पत्र क्र. प्रशा-डी-तीन-9991/2691-92 दि. 18/01/2024

महोदय,

- उपरोक्त संदर्भित (iii) के पत्र द्वारा एनसीआरटीसी ने पीसीसीएफ/पंचकूला से प्रस्ताव क्र. FP/HR/RAIL/43886/2020 को RRTS संरक्षण में हुए परिवर्तन के अनुसार संशोधित करने का अनुरोध किया था।
- इस सम्बन्ध में सीसीएफ/दक्षिण सर्कल ने संदर्भित (ii) के तहत मामले को एनसीआरटीसी द्वारा संरक्षण को अंतिम रूप देने तक साइट निरीक्षण को रोक दिया गया था। तथा केस को नोडल ऑफिस को फॉरवर्ड कर दिया था। जिसे ध्यान में रखते हुए एपीसीसीएफ सह नोडल अधिकारी ने पत्र संदर्भ (iv) के माध्यम से, सीसीएफ/दक्षिण सर्कल और डीएफओ/गुरुग्राम से मामले के जल्द से जल्द निपटान हेतु एनसीआरटीसी से संशोधित प्रस्ताव प्राप्त होने पर आवश्यक कार्रवाई करने का अनुरोध किया है तथा परिवेश पोर्टल पर प्रस्ताव को संशोधन हेतु एनसीआरटीसी को भेज दिया है।
- तदनुसार, परिवर्तित संरक्षण के अनुसार 13.0367 हे. फॉरेस्ट डायवर्शन के लिए संशोधित प्रस्ताव तैयार कर लिया गया है जो इस पत्र के साथ संलग्न है।
- इस सम्बन्ध में यह उल्लेखनिए है कि परिवेश पोर्टल पर अनलाइन प्रस्ताव के भाग-1 खंड ए-1 में निम्नलिखित बताए गए क्षेत्रफल में संशोधन की आवश्यकता है जो कि लॉकड है इस सम्बन्ध में NIC

हेल्पलाइन से चर्चा की गई और यह पता चला है कि इसे केवल नोडल कार्यालय द्वारा ही बदला जा सकता है। तथा उपरोक्त संशोधन के उपरांत ही बाकी के संशोधन किए जा सकेंगे।


- i. परियोजना का कुल क्षेत्रफल - 79.2977 हे.
- ii. अपवर्तन के लिए प्रस्तावित वन भूमि का कुल क्षेत्र - 13.0367 हे.
- iii. इस परियोजना के लिए अपेक्षित गैर वन भूमि - 66.2610 हे.

उपरोक्त के मददेनजर, यह अनुरोध किया जाता है कि परिवेश पोर्टल पर अनुच्छेद 4 में उल्लेखित संशोधन हेतु प्रस्ताव को नोडल कार्यालय भेजा जाए तथा संशोधित मामले के अनुमोदन हेतु अग्रिम कार्यवाही की जाए।

धन्यवाद,

संलग्न: संशोधित प्रस्ताव की प्रति

भवदीय,


(सलिल श्रीवास्तव)

अधीक्षण अभियंता/सिविल

Email – salil.srivastava@ncrtc.in

NCRTC/CPM-GGN/Protected Forest/2019/116

दिनांक 10.01.2024

सेवा में,
नोडल ऑफिसर एवं प्रधान मुख्य वन संरक्षक (एफ. सी.),
C-18, वन भवन, सेक्टर 6, पंचकुला

विषय: Regarding Diversion of 13.0367 Ha (earlier 12.4115 Ha.) of forest land for implementation of Delhi – SNB RRTS corridor in Gurugram District.

संदर्भ: (i) Proposal No. FP/HR/RAIL/43886/2020 duly forwarded vide NCRTC's letter of even no. dated 20.01.2020.
(ii) Forest Dept. letter No. D-III-28/2021/1837-38 dated 19.10.23 (CP 194)

Dear sir,

Vide proposal under ref. (i) above, NCRTC has applied on Parivesh portal for diversion of 13.40 ha land in Gurgaon Division for implementation of Delhi SNB corridor. However, due identification of some additional PF area and refinement of alignment case was revised to divert 12.4115 ha PF land.

In connection of Delhi-SNB RRTS corridor, a meeting was held on 25.08.2023 under the chairmanship of Secretary, MoHUA and it has been decided that alignment between Aerocity to Dharuhera to pass through Cybercity, IFFCO chowk instead of earlier approved alignment passing through Udyog Vihar & Sector-17. Also, as per site feasibility few refinements in alignment have also been made in remaining alignment. Therefore, PF proposal is required to be revised.

In this regard, a meeting with CCF/South circle was held on 16.10.2023 and matter was discussed. CCF/South circle. Vide his letter under reference (ii) above, communicated the case with your good self and the site inspection was put on hold till finalisation of alignment by NCRTC.

Accordingly, the revised area requirement for diversion of PF vis-à-vis previous requirement as mentioned below.

| S. No. | Location | Area (Hectare) | | Remarks |
|--------|-----------------------------|-------------------|------------------|--|
| | | Original Proposal | Revised Proposal | |
| 1 | Sector 17 green belt | 0.7639 | 0 | Not required as per revised alignment |
| 2 | Dundahera, after Cuber city | 0 | 0.1616 | NH crossings as per revised alignment. |
| 3 | Jharsa before Rajiv chowk | 0 | 0.1765 | |
| 4 | Jharsa after Rajiv chowk | 0 | 0.1760 | |
| 5 | Narsinghpur | 0 | 0.2714 | |
| 6 | Kherkidaula | 0 | 0.2310 | |

Registered & Corporate Office:

गतिशक्ति भवन, आई.एन.ए., नई दिल्ली-110023

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| | | | | |
|--------------|----------------------------|----------------|----------------|----------------------------|
| 7 | Sikhopur | 0.0014 | 0.0011 | Minor change in alignment. |
| 8 | Naurangpur | 0.0018 | 0.0020 | |
| 9 | Manesar | 5.7325 | 5.7386 | Minor change in alignment. |
| 10 | Manesar, Schrawan, Kukrola | 5.9043 | 6.2687 | |
| 11 | Bilaspur | 0.0076 | 0.0098 | |
| Total | | 12.4115 | 13.0367 | |

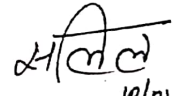
It is stated that total protected forest area required to be diverted is 13.0367 ha. However, 2.8657 ha. area is falling in underground tunnel portion for which compensatory afforestation (CA) land is not required. Thus, CA land of only 10.1710 ha (13.0367 - 2.8657) is required against diversion of 13.0367 ha PF area.

In view of the above, it is requested that subject case may be revised, and online proposal may be forwarded to concerned for further action please.

Thanking you,

Encl.: As above,

Yours faithfully,


10/01/24
(सलिल श्रीवास्तव)

अधीक्षण अभियंता/सिविल

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Calculation of Protected Forest Land in Gurugram District fro DLI-SNB RRTS Corridor
Calculation at Dundahera NH Crossing

PF area calculation at Dundahera NH Crossing

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | Breadth (m) | | Calculation | Area(ha) | Remarks |
|---------------------------|-----------|--------------------|-------------|------------------|------------|-----|-------------|----|---|---------------|---------|
| | | | | | L | B1 | B1 | B2 | | | |
| Cyber City to IFFCO Chowk | Dundahera | Underground Tunnel | I | Triangle | 25.27 | 7.3 | | | = (L1) X (B1) ÷ (2) = (25.27) X (7.3) ÷ (2) = 92.23 sqm = L1 X B1 = 85.40 X 7.3 = 623.42 Sqm | 0.0092 | |
| | | | | Rectangle | 85.4 | 7.3 | | | | | |
| | | | | Triangle | 25.7 | 7.3 | | | = (L1) X (B1) ÷ (2) = (25.7) X (7.3) ÷ (2) = 93.80 sqm | 0.0094 | |
| | | | | Triangle | 26.04 | 7.3 | | | = (L1) X (B1) ÷ (2) = (26.04) X (7.3) ÷ (2) = 95.04 sqm | 0.0095 | |
| | | | | Rectangle | 84.61 | 7.3 | | | = L1 X B1 = 84.61 X 7.3 = 617.65 Sqm | 0.0618 | |
| | | | | Triangle | 25.58 | 7.3 | | | = (L1) X (B1) ÷ (2) = (25.58) X (7.3) ÷ (2) = 93.36 sqm | 0.0093 | |
| | | | | | | | | | | 0.1616 | |

PF area calculation at Jharsa NH Crossing before Rajiv chowk

| | | | | | | | | | | | |
|----------------------------|--------|--------------------|---|-----------|-------|-----|--|--|--|---------------|--|
| IFFCO Chowk to Rajiv chowk | Jharsa | Underground Tunnel | I | Triangle | 25.84 | 7.3 | | | = (L1) X (B1) ÷ (2) = (25.84) X (7.3) ÷ (2) = 94.31 sqm = L1 X B1 = 75.60 X 7.3 = 51.88 Sqm | 0.0094 | |
| | | | | Rectangle | 75.6 | 7.3 | | | | | |
| | | | | Triangle | 23.69 | 7.3 | | | = (L1) X (B1) ÷ (2) = (23.69) X (7.3) ÷ (2) = 86.46 sqm | 0.0086 | |
| | | | | Triangle | 29.7 | 7.3 | | | = (L1) X (B1) ÷ (2) = (29.7) X (7.3) ÷ (2) = 108.40 sqm | 0.0108 | |
| | | | | Rectangle | 105.7 | 7.3 | | | = L1 X B1 = 105.70 X 7.3 = 771.61 Sqm | 0.0772 | |
| | | | | Triangle | 41.64 | 7.3 | | | = (L1) X (B1) ÷ (2) = (41.64) X (7.3) ÷ (2) = 151.98 sqm | 0.0152 | |
| | | | | | | | | | | 0.1765 | |

PF area calculation at Jharsa NH Crossing after Rajiv chowk

| | | | | | | | | | | | |
|--|--|--|---|-----------|-------|-----|--|--|---|--------|--|
| | | | I | Triangle | 26.82 | 7.3 | | | = (L1) X (B1) ÷ (2) = (26.82) X (7.3) ÷ (2) = 97.89 sqm | 0.0098 | |
| | | | | Rectangle | 98.4 | 7.3 | | | = L1 X B1 = 98.40 X 7.3 = 718.32 Sqm | 0.0718 | |
| | | | | | | | | | | | |

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 अधीक्षण अभियंता (सिविल)
 Superintending Engineer (Civil)
 राष्ट्रीय राजधानी क्षेत्र परिवहन निगम लिमिटेड
 (भारत सरकार एवं प्रतिभागी राज्य सरकारों का एक संयुक्त उद्यम)
 National Capital Region Transport Corporation

Calculation of Protected Forest Land in Gurugram District fro DLI-SNB RRIS Corridor

Calculation at Dumdahera NH Crossing

PF area calculation at Dumdahera NH Crossing


| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | Breadth (m) | | Calculation | Area (ha) | Remarks |
|---------------------------------|---------|--------------------|-------------|------------------|------------|-------------|----|---|---------------|---------|
| | | | | | | L | B1 | | | |
| Rajiv chowk to Hero Honda chowk | Jharsa | Underground Tunnel | | Triangle | 36.25 | 7.3 | | = (L1) X (B1) ÷ (2) = (36.25) X (7.3) ÷ (2) = 132.31 sqm | 0.0132 | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = (23.48) X (7.3) ÷ (2) = 85.70 sqm | | |
| | | | | | | | II | = L1 X B1 = 84.90 X 7.3 = 619.77 Sqm | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = (28.92) X (7.3) ÷ (2) = 105.558 sqm | | |
| | | | | | | | | | 0.1760 | C |

PF area calculation at Narsinghpur NH Crossing

| | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------|--------------------|----|-----------|--------|-----|--|--|---------------|--|--|--|--|--|--|---------------|---|--|--|
| Hero Honda chowk to Kherkidaula | Narsinghpur | Underground Tunnel | I | Triangle | 41.27 | 7.3 | | = (L1) X (B1) ÷ (2) = (41.27) X (7.3) ÷ (2) = 150.63 sqm | 0.0151 | | | | | | | | | | |
| | | | | | | | | = L1 X B1 = 133.16 X 7.3 = 972.06 Sqm | | | | | | | | | | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = 41.43 X (7.3) ÷ (2) = 151.21 sqm | | | | | | | | | | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = 41.92 X (7.3) ÷ (2) = 153.00 sqm | | | | | | | | | | | |
| | | | | | | | | | 0.0972 | | | | | | | | | | |
| | | Underground Tunnel | II | Rectangle | 142.23 | 7.3 | | = L1 X B1 = 142.23 X 7.3 = 1038.27 Sqm | 0.1038 | | | | | | | | | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = (68.32) X (7.3) ÷ (2) = 249.36 sqm | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 0.2713 | D | | |

PF area calculation at Kherkidaula NH Crossing

| | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------|--------------------|----|-----------|-------|-----|--|--|---------------|--|--|--|--|--|--|---------------|--|--|--|
| Kherkidaula to Manesar | Kherkidaula | Underground Tunnel | I | Triangle | 35 | 7.3 | | = (L1) X (B1) ÷ (2) = (35) X (7.3) ÷ (2) = 127.75 sqm | 0.0128 | | | | | | | | | | |
| | | | | | | | | = L1 X B1 = 107.4 X 7.3 = 784.02 Sqm | | | | | | | | | | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = 39.25 X (7.3) ÷ (2) = 149.68 sqm | | | | | | | | | | | |
| | | | | | | | | = (L1) X (B1) ÷ (2) = 46.83 X (7.3) ÷ (2) = 170.93 sqm | | | | | | | | | | | |
| | | | | | | | | | 0.0784 | | | | | | | | | | |
| | | Underground Tunnel | II | Rectangle | 132.2 | 7.3 | | = L1 X B1 = 132.20 X 7.3 = 965.06 Sqm | 0.0150 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 0.0171 | | | |


सलिल श्रीवास्तव/Salil Srivastava
 अधीक्षक अभियंता (सिविल)
 Superintending Engineer (Civil)

Calculation of Protected Forest Land in Gurugram District fro DLI-SNB RRTS Corridor
Calculation of Forest Land

PF area calculation at Dundaheera NII Crossing

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | | Calculation | Area(ha) | Remarks |
|--|---------|-----------|-------------|------------------|------------|-----|----|--|----------|---------|
| | | | | | L | B1 | B2 | | | |
| | | | | Triangle | 30.95 | 7.3 | | $= (L_1) \times (B_1) \div (2)$ $= (36.88) \times (7.3) \div (2)$ $= 112.97 \text{ sqm}$ | 0.0113 | E |
| PF area calculation at Sikhopur chowk | | | | | | | | | | |

| | | | | | | | | | | |
|--|----------|--------------------------------------|---|-----------|------|------|------|--|--------|---|
| Kherkidaula to Manesar | Sikhopur | RRTS elevated viaduct (Sikhpur road) | I | Trapazium | 3.05 | 4.22 | 2.72 | $= (L_1) \times ((B_1+B_2) \div 2)$ $= (3.05) \times ((4.22+2.72) \div 2)$ $= 10.58$ | 0.0011 | F |
| PF area calculation at Naurangpur chowk | | | | | | | | | | |

| | | | | | | | | | | |
|--|------------|---|----|-----------|------|------|------|--|--------|---|
| Kherkidaula to Manesar | Naurangpur | RRTS elevated viaduct (Naurangpur road) | I | Triangle | 2.76 | 3.12 | | $= (L_1) \times (B_1) \div (2)$ $= (2.76) \times (3.12) \div (2)$ $= 0.492$ | 0.0004 | G |
| | | | II | Trapazium | 4.25 | 3.56 | 4.02 | $= (L_1) \times ((B_1+B_2) \div 2)$ $= (4.25) \times ((3.56+4.02) \div 2)$ $= 16.10$ | 0.0016 | |
| PF area calculation at Manesar IMT Green belt | | | | | | | | | | |

| | | | | | | | | | | |
|--|---------|---|-----|-----------|-------|-------|------|--|--------|---|
| Manesar | Manesar | Viaduct | I | Triangle | 5.01 | 5.65 | | $= (L_1) \times (B_1) \div (2)$ $= (5.01) \times (5.65) \div (2)$ $= 14.15 \text{ sqm}$ | 0.0014 | H |
| | | | II | Rectangle | 7.31 | 5.65 | | $= L_1 \times B_1$ $= 7.31 \times 5.65$ $= 41.30 \text{ Sqm}$ | 0.0041 | |
| | | | III | Triangle | 5.65 | 2.1 | | $= (L_1) \times (B_1) \div (2)$ $= 5.65 \times (2.1) \div (2)$ $= 5.93 \text{ sqm}$ | 0.0006 | |
| | | Ramp, & underground Station and underground Stabling line (Cut & Cover) | I | Trapezium | 50.25 | 1111 | 1154 | $= (L_1) \times ((B_1+B_2) \div 2)$ $= (50.25) \times ((1111.48 + 1153.60) \div 2)$ $= (50.25) \times (1132.54)$ $= 56910.135$ | 5.6910 | |
| | | | II | Triangle | 16.58 | 50.05 | - | $= (L_1) \times (B_1) \div (2)$ $= (16.58) \times (50.05) \div (2)$ $= 414.9145$ | 0.0415 | |
| PF area calculation at Shehravan Revine | | | | | | | | | | |

| | | | | | | | | | | |
|--|--|----------------------------|-----|-----------|--------|------|--|---|--------|---|
| | | Ventilation Shaft and road | I | Triangle | 12.85 | 6 | | $= (L_1) \times (B_1) \div (2)$ $= (12.85) \times (6) \div (2)$ $= 38.55 \text{ sqm}$ | 0.0039 | J |
| | | | II | Rectangle | 246.53 | 6 | | $= L_1 \times B_1$ $= 246.53 \times 6$ $= 1479.18 \text{ Sqm}$ | 0.1479 | |
| | | | III | Rectangle | 61.8 | 46.3 | | $= L_1 \times B_1$ $= 61.80 \times 46.30$ $= 2861.34 \text{ Sqm}$ | 0.2861 | |

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 National Capital Region Transport Corporation Ltd

Calculation of Protected Forest Land in Gurugram District fro DLI-SNB RRTS Corridor

Calculation of Forest Land

PF area calculation at Dundahera NH Crossing

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) L | Breadth (m) | | Calculation | Area(ha) | Remarks | | |
|-------------------|---|---------------------|-------------|------------------|-----------------|-------------|---------------------------------------|---|--|---|--------|--|
| | | | | | | B1 | B2 | | | | | |
| Manesar Panchgaon | Manesar | Under ground Tunnel | IV | Rectangle | 1068 | 7.3 | | =L1 X B1 = 1068X 7.3 = 7796.40 Sqm | 0.7796 | | | |
| | | | V | Triangle | 19.75 | 7.3 | | =(L1) X (B1) ÷ (2) = (19.75) X (7.3) ÷ (2) =72.08 sqm | 0.0072 | | | |
| | | | VI | Rectangle | 1114 | 7.3 | | =L1 X B1 = 1114X 7.3 = 8132.20 Sqm | 0.8132 | | | |
| | | | VII | Triangle | 19.39 | 7.3 | | =(L1) X (B1) ÷ (2) = (19.39) X (7.3) ÷ (2) =70.77 Sqm | 0.0071 | | | |
| | | | VIII | Rectangle | 10.21 | 5 | | =L1 X B1 = 10.21X 5 = 51.05 Sqm | 0.0051 | | | |
| | | | IX | Rectangle | 10.22 | 5 | | =L1 X B1 = 10.22X 5 = 51.1 Sqm | 0.0051 | K | | |
| | X | | Rectangle | 10.04 | 5 | | =L1 X B1 = 10.04X 5 = 50.20 Sqm | 0.0050 | | | | |
| | Sehrawan | | XI | Triangle | 19.75 | 7.3 | | =(L1) X (B1) ÷ (2) = (19.75) X (7.3) ÷ (2) =72.08 Sqm | 0.0072 | | | |
| | | | XII | Rectangle | 167 | 7.3 | | =L1 X B1 = 167X 7.3 = 1219.10 Sqm | 0.1219 | | | |
| | | | XII | Triangle | 19.39 | 7.3 | | =(L1) X (B1) ÷ (2) = (19.39) X (7.3) ÷ (2) =70.77 Sqm | 0.0071 | | | |
| | | | XIV | Rectangle | 124.24 | 7.3 | | =L1 X B1 = 124.24X 7.3 = 906.95 Sqm | 0.0907 | | | |
| | | | Cut & Cover | XV | Trapezium | 211.32 | 34.01 | 31.02 | =(L1) X ((B1+B2)÷2) = (211.32) X ((34.01+31.02)÷2) = 6871.07 Sqm | 0.6871 | | |
| | | | | Ramp | XVI | Trapezium | 449.95 | 31.74 | 15.93 | =(L1) X ((B1+B2)÷2) = (449.95) X ((31.74+15.93)÷2) = 10725.56 sqm | 1.0725 | |
| | Elevated | | XVII | Rectangle | 1337.16 | 15.5 | | =L1 X B1 = 1337.16X 15.5 = 20725.98 Sqm | 2.0726 | | | |
| | | | Kukrola | XVIII | Rectangle | 96.40 | 15.5 | | =L1 X B1 = 96.40X 15.5 = 1494.2 Sqm | 0.1494 | L | |
| | PF area calculation at Bilashpur chowk | | | | | | | | | 6.2688 | | |

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Calculation of Protected Forest Land in Gurugram District fro DLI-SNB RRTS Corridor

Calculation of Forest Land

PF area calculation at Dundahera NH Crossing

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | Breadth (m) | | Calculation | Area(ha) | Remarks |
|---|-----------|-----------|-------------|------------------|------------|-------------|------|--|----------------|----------|
| | | | | | L | B1 | B2 | | | |
| Panchgaon to Bilaspur | Bilashpur | Elevated | I | Trapezium | 3.048 | 13.5 | 13.5 | $= (L_1) \times ((B_1+B_2) \div 2)$ $= (3.048) \times ((13.50+13.50) \div 2)$ $= 41.14$ | 0.0041 | |
| | | | II | Triangle | 3.048 | 3.19 | | $= (L_1) \times (B_1) \div (2)$ $= (3.048) \times (3.19) \div (2)$ $= 4.86 \text{ Sqm}$ | 0.0005 | |
| | | | III | Trapezium | 3.048 | 16.9 | 16.9 | $= (L_1) \times ((B_1+B_2) \div 2)$ $= (3.048) \times ((16.9+16.90) \div 2)$ $= 51.51 \text{ sqm}$ | 0.0052 | |
| Grand Total | | | | | | | | | 0.0098 | M |
| Total Underground (A+B+C+D+E+K) | | | | | | | | | 13.0367 | |
| Total elevated, Ramp and cut & cover (F+G+H+I+J+L+M) | | | | | | | | | 2.8657 | |
| Total elevated, Ramp and cut & cover (F+G+H+I+J+L+M) | | | | | | | | | 10.1710 | |

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Calculation of Non - Forest Land in Gurugram District fro DLI-SNB RRTS Corridor

| Block Section | Structure | Ch. Start | Ch. End | Length | Breadth | Area (ha) |
|------------------------------------|--|-----------|---------|---------|---------|----------------|
| Delhi Boarder to Cybercity station | Underground | 22370 | 24032 | 1662.00 | 14.60 | 2.4465 |
| Cybdercity station | Underground station | 24032 | 24267 | 235.00 | | 0.9000 |
| Cybdercity to Ramp | Underground | 24267 | 25436 | 1169.00 | 14.60 | 1.5552 |
| Ramp | Ramp | 25436 | 25842 | 406.00 | | 0.8526 |
| Ramp to Iffco chowk | viaduct | 25842 | 27478 | 1636.00 | 12.00 | 1.9632 |
| Iffco chowk station | Station | 27478 | 27688 | 210.00 | | 1.2940 |
| Iffco chowk stn to Jharsa chowk | viaduct | 27688 | 31308 | 3620.00 | 12.00 | 4.3440 |
| Ramp at Jharsa chowk | Ramp | 31308 | 31714 | 406.00 | | 0.8526 |
| Ramp to Rajiv chowk stn | Underground | 31714 | 32600 | 886.00 | 14.60 | 1.1221 |
| Rajiv Chowk | Station | 32600 | 32835 | | | 6.8520 |
| Rajiv chowk to Hero Honda chowk | Underground | 32835 | 35031 | 2196.00 | 14.60 | 3.0652 |
| Hero Honda chowk station | Station | 35031 | 35266 | 235.00 | | 1.0203 |
| Hero Honda chowk to Kherkidaula | Underground | 35266 | 38923 | 3657.00 | 14.60 | 5.1428 |
| Kherki Daula | Station | 38923 | 39158 | | | 4.5240 |
| Kherki Daula to Manesar | Underground & ramp at kherkidaula toll | 39158 | 40700 | | | 2.5154 |
| | Viaduct | 40700 | 44990 | 4290.00 | 12.00 | 5.1480 |
| Manesar | Entry Exit | | | | | 1.3245 |
| Manesar to Panchgaon | Underground | 46171 | 47450 | 1279.50 | 14.60 | 1.8831 |
| | Viaduct | 50900 | 52510 | 1610.35 | 12.00 | 1.9324 |
| Panchgaon | Station | 52510 | 52725 | | | 2.0854 |
| Panchgaon to Bilaspur Chowk | Viaduct | 52725 | 57913 | 5187.97 | 12.00 | 6.2256 |
| Bilaspur Chowk | Station | 57913 | 58121 | | | 0.8743 |
| Bilaspur Chowk to Dharuhera | Viaduct | 58121 | 65070 | 6948.27 | 12.00 | 8.3379 |
| Total | | | | | | 66.2610 |


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 National Capital Region Transport Corporation Ltd.
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Calculation of Non - Forest Land in Gurugram District fro DLI-SNB RRTS Corridor

| Block Section | Structure | Village | Area |
|--|---------------------|-------------------|---------|
| Delhi Boarder to Cybercity station | Underground | Dundahera | 2.4465 |
| Cyber city Station | Underground station | Dundahera | 0.9000 |
| Cyber city station to Iffco chowk station | Underground | Dundahera | 0.9136 |
| | | Shahpur | 0.6416 |
| | Ramp | Shahpur | 0.8526 |
| | Viaduct | Sarhol | 1.4496 |
| Iffco chowk station | Station | Sukhrali | 0.5136 |
| | | Sukhrali | 1.2940 |
| Iffco chowk station to Rajiv chowk station | Viaduct | Sukhrali | 1.4544 |
| | | Silokhra | 1.5600 |
| | | Jharsa | 1.3296 |
| | Ramp | Jharsa | 0.8526 |
| Rajiv Chowk | Station | Jharsa | 1.1221 |
| | | Jharsa | 6.8520 |
| Rajiv chowk to Hero Honda chowk | Underground | Jharsa | 0.7757 |
| | | Hidayatpur chawni | 0.4626 |
| | | Naharpur Rupa | 1.2072 |
| | | Khandsa | 0.6197 |
| Hero Honda chowk station | Station | Khandsa | 1.0203 |
| Hero Honda chowk to Kheridaula | Underground | Khandsa | 2.3800 |
| | | Narsinghpur | 2.7628 |
| Kherki Daula | Station | Narsinghpur | 4.5240 |
| Kherki Daula to Manesar | Underground & ramp | Narsinghpur | 0.6648 |
| | | Kherkidaula | 1.8506 |
| | | Kherkidaula | 0.6480 |
| | Viaduct | Sikhopur | 1.3200 |
| | | Naurangpur | 1.7040 |
| | | Lakhnola | 1.4160 |
| | | Manesar | 0.0600 |
| Manesar | Entry Exit | Manesar | 1.3245 |
| Manesar to Panchgaon | Undeground | Manesar | 1.8831 |
| | Viaduct | Kukrola | 1.9324 |
| Panchgaon | Station | Kukrola | 2.0854 |
| Panchgaon to Bilaspur Chowk | Viaduct | Kukrola | 0.5696 |
| | | Fazalwas | 1.2720 |
| | | Binola | 3.1920 |
| | | Bilaspur | 1.1920 |
| Bilaspur Chowk | Station | Biaspur | 0.8743 |
| Bilaspur Chowk to Dharuhera | Viaduct | Bilaspur | 1.1984 |
| | | Bohara Kalan | 0.8400 |
| | | Rathiawas | 0.5640 |
| | | Bohrakalan | 0.3360 |
| | | Sidhrawali | 2.8920 |
| | | Bohra Khurd | 0.8460 |
| Total | | Sidhrawali | 1.6615 |
| | | | 66.2610 |

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National Capital Region Transport Corporation Ltd.
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**Village wise summery of Forest and Non PF land in Gurugram District
fro DLI-SNB RRTS Corridor**

| SN | Village Name | Forest Area (Ha) | Non- Forest Area (Ha) |
|----|---------------------|------------------|-----------------------|
| 1 | Dundahera | 0.1616 | 4.2601 |
| 2 | Shahpur | 0.0000 | 1.4942 |
| 3 | Sarhoil | 0.0000 | 1.4496 |
| 4 | Sukhrali | 0.0000 | 3.2620 |
| 5 | Silokhra | 0.0000 | 1.5600 |
| 6 | Jharsa | 0.3524 | 10.9320 |
| 7 | Naharpura Rupa | 0.0000 | 1.2072 |
| 8 | Hidayatpur Chhawani | 0.0000 | 0.4626 |
| 9 | Khandsa | 0.0000 | 4.0199 |
| 10 | Narsinghpur | 0.2715 | 7.9516 |
| 11 | Kherki Daula | 0.2310 | 2.4986 |
| 12 | Shikohpur | 0.0011 | 1.3200 |
| 13 | Naurangpur | 0.0020 | 1.7040 |
| 14 | Lakhnola | 0.0000 | 1.4160 |
| 15 | Manesar | 7.7989 | 3.2676 |
| 16 | Sehrawan | 4.0591 | 0.0000 |
| 17 | Kukrola | 0.1494 | 4.5874 |
| 18 | Fazalwas | 0.0000 | 1.2720 |
| 19 | Binola | 0.0000 | 3.1920 |
| 20 | Bilaspur | 0.0098 | 3.2647 |
| 21 | Bohara Kalan | 0.0000 | 1.1760 |
| 22 | Rathiwasi | 0.0000 | 0.5640 |
| 23 | Sidhrawali | 0.0000 | 4.5535 |
| 24 | Bohara Khurd | 0.0000 | 0.8460 |
| | Total | 13.0367 | 66.2610 |

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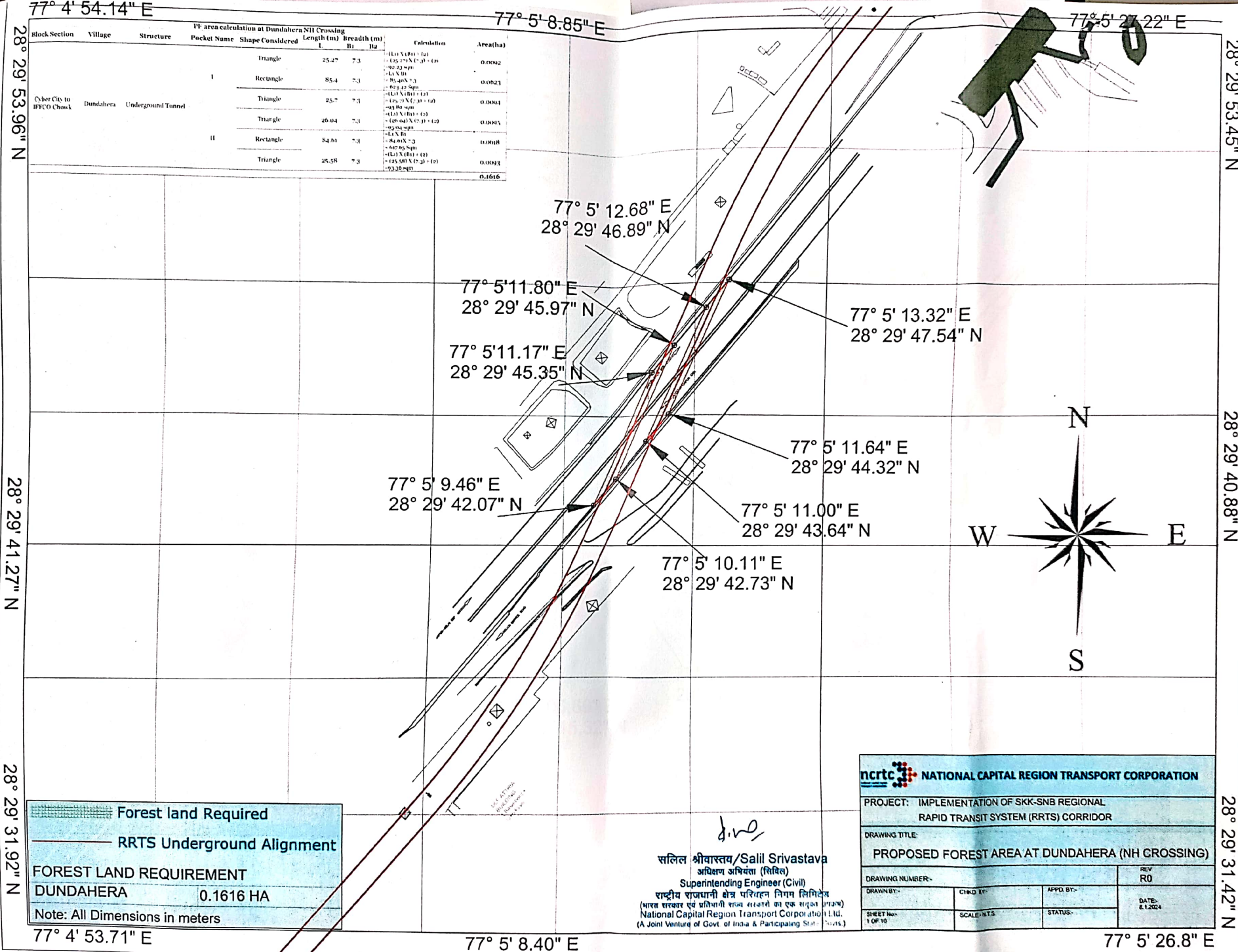
राष्ट्रीय राजधानी क्षेत्र परिसर निगम लिमिटेड

(भारत सरकार एवं प्रतिष्ठित सहायक संस्थाओं का एक संयुक्त उपक्रम)

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PF area calculation at Dundaheara NH Crossing

| Block Section | Village | Structure | Pocket Name | Shape Considered | Length (m) | | | Calculation | Area(ha) |
|-----------------------------|------------|--------------------|-------------|------------------|------------|-----|----|---|----------|
| | | | | | L | B1 | B2 | | |
| Cyber City to BFCO Chowk | Dundaheara | Underground Tunnel | I | Triangle | 25.27 | 7.3 | | $\frac{1}{2} \times 25.27 \times 7.3 = 92.23 \text{ sqm}$ | 0.0092 |
| | | | | Rectangle | 85.4 | 7.3 | | $85.4 \times 7.3 = 623.42 \text{ sqm}$ | 0.0623 |
| | | | | Triangle | 25.7 | 7.3 | | $\frac{1}{2} \times 25.7 \times 7.3 = 93.75 \text{ sqm}$ | 0.0094 |
| | | | | Triangle | 26.04 | 7.3 | | $\frac{1}{2} \times 26.04 \times 7.3 = 95.04 \text{ sqm}$ | 0.0095 |
| | | | | Rectangle | 84.51 | 7.3 | | $84.51 \times 7.3 = 616.92 \text{ sqm}$ | 0.0618 |
| | | | | Triangle | 26.58 | 7.3 | | $\frac{1}{2} \times 26.58 \times 7.3 = 97.32 \text{ sqm}$ | 0.0097 |
| | | | | | | | | | 0.1616 |

Forest land Required
RRTS Underground Alignment
FOREST LAND REQUIREMENT
DUNDAHERA 0.1616 HA
 Note: All Dimensions in meters

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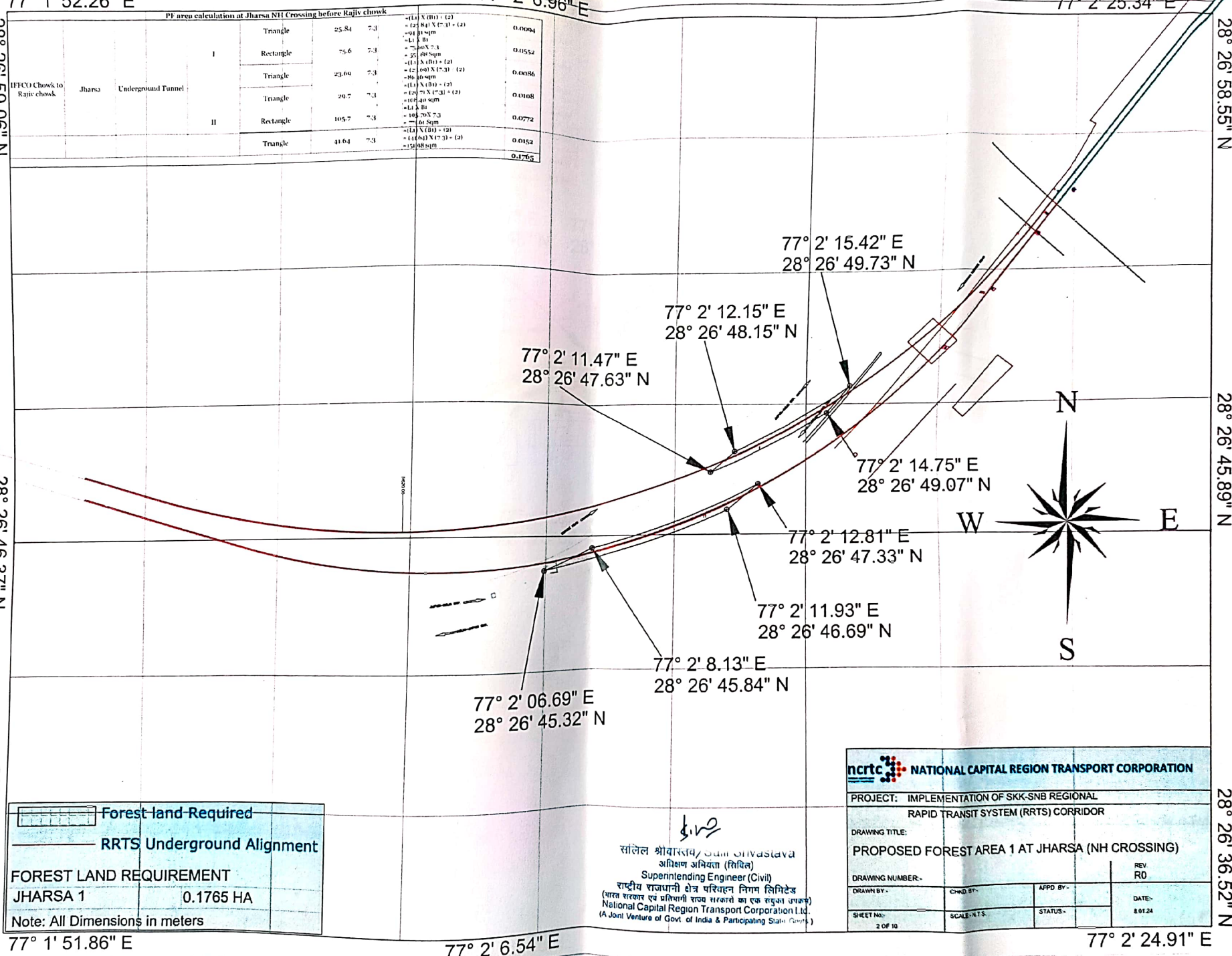
PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR

DRAWING TITLE: **PROPOSED FOREST AREA AT DUNDAHERA (NH CROSSING)**

| | | | |
|----------------------|-----------|-----------|-------------------|
| DRAWING NUMBER- | CH'D BY- | APP'D BY- | REV R0 |
| SHEET No- 1 OF 10 | SCALE-NTS | STATUS- | DATE- 8.1.2024 |

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 National Capital Region Transport Corporation Ltd.
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1. Jhajjar
h. Floc



PF area calculation at Jharsa NH Crossing before Rajiv chowk

| Area | Shape | Dimensions | Area (sqm) | Area (HA) |
|------|-----------|-------------|------------|---------------|
| I | Triangle | 25.84 x 7.3 | 0.0094 | |
| | Rectangle | 75.6 x 7.3 | 0.0552 | |
| | Triangle | 23.09 x 7.3 | 0.0086 | |
| II | Triangle | 29.7 x 7.3 | 0.0108 | |
| | Rectangle | 105.7 x 7.3 | 0.0772 | |
| | Triangle | 11.64 x 7.3 | 0.0152 | |
| | | | | 0.1765 |

| | |
|--------------------------------|----------------------------|
| | Forest land Required |
| | RRTS Underground Alignment |
| FOREST LAND REQUIREMENT | |
| JHARSA 1 | 0.1765 HA |
| Note: All Dimensions in meters | |

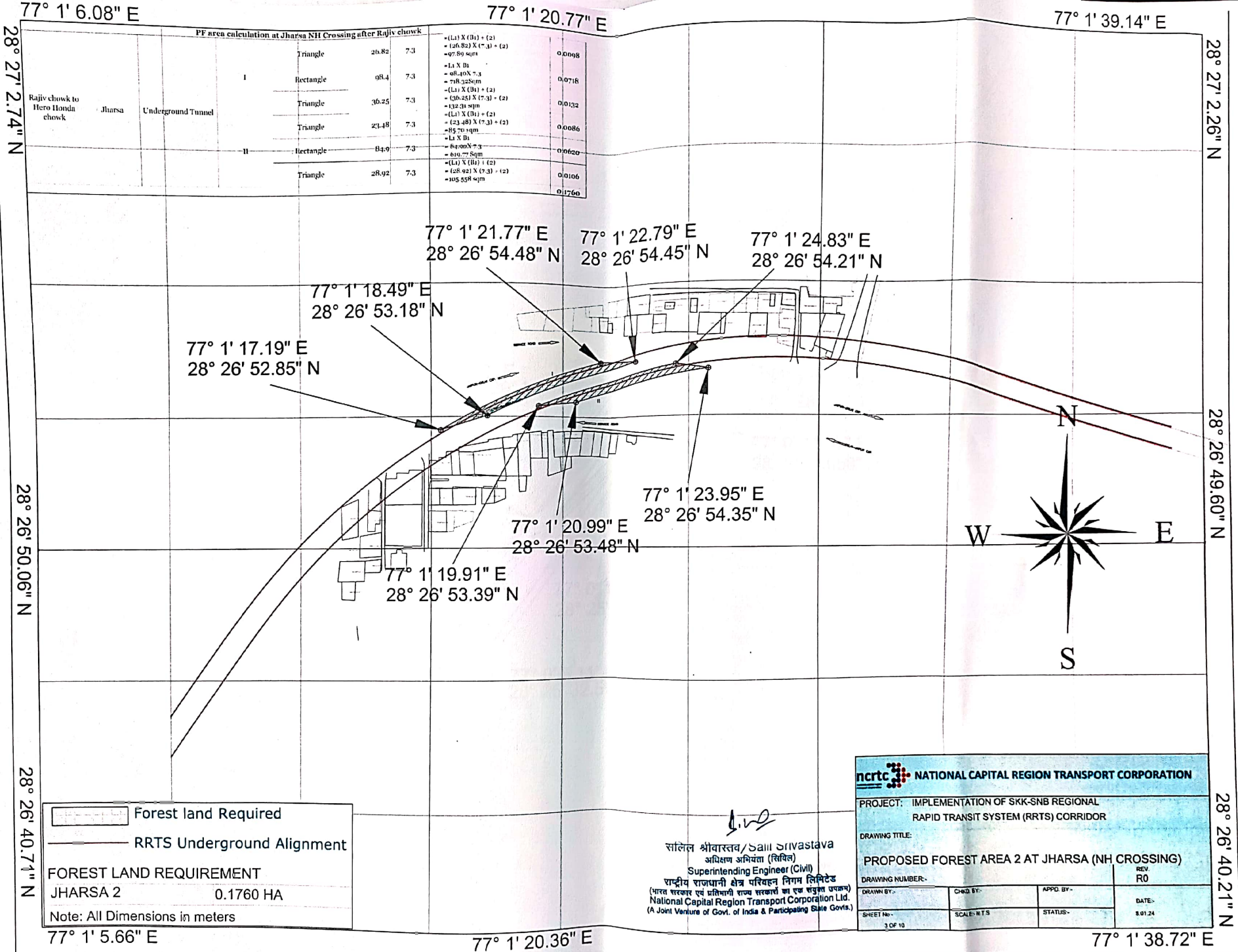
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PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR

DRAWING TITLE: PROPOSED FOREST AREA 1 AT JHARSA (NH CROSSING)

| | |
|-------------------|---------------|
| DRAWING NUMBER- | REV RD |
| DRAWN BY- | CHKD BY- |
| APPD BY- | DATE- |
| SHEET No: 2 OF 10 | SCALE: N.T.S. |
| STATUS- | 80124 |



PF area calculation at Jharsa NH Crossing after Rajiv Chowk

| Shape | Length | Width | Area (sqm) | Area (HA) |
|--------------|--------|-------|--------------------|---------------|
| Triangle | 26.82 | 7.3 | 97.89 sqm | 0.0098 |
| Rectangle | 98.4 | 7.3 | 718.32 sqm | 0.0718 |
| Triangle | 36.25 | 7.3 | 132.31 sqm | 0.0132 |
| Triangle | 23.48 | 7.3 | 85.70 sqm | 0.0086 |
| Rectangle | 84.9 | 7.3 | 619.77 sqm | 0.0620 |
| Triangle | 28.92 | 7.3 | 105.55 sqm | 0.0106 |
| Total | | | 1760.64 sqm | 0.1760 |

Forest land Required
 RRTS Underground Alignment
FOREST LAND REQUIREMENT
JHARSA 2 0.1760 HA
 Note: All Dimensions in meters

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PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR

DRAWING TITLE: PROPOSED FOREST AREA 2 AT JHARSA (NH CROSSING)

| | |
|-------------------|---------------|
| DRAWING NUMBER: | DATE: |
| DRAWN BY: | 3.01.24 |
| CHECK BY: | |
| APPROVED BY: | |
| SHEET No. 3 OF 10 | SCALE: N.T.S. |
| STATUS: | |

76° 59' 54.56" E

77° 0' 9.25" E

77° 0' 27.62" E

28° 25' 48.25" N

28° 25' 47.77" N

PF area calculation at Narsingpur NH Crossing

| Area | Shape | Length | Width | Area | Area |
|------|-----------|--------|-------|---|---------------|
| I | Triangle | 41.27 | 7.3 | = (L1) X (B1) + (L2) X (B2) + (L3) X (B3) + (L4) X (B4) | 0.0151 |
| | Rectangle | 133.10 | 7.3 | = L1 X B1 | 0.0972 |
| | Triangle | 41.43 | 7.3 | = (L1) X (B1) + (L2) X (B2) + (L3) X (B3) + (L4) X (B4) | 0.0151 |
| | Triangle | 41.92 | 7.3 | = (L1) X (B1) + (L2) X (B2) + (L3) X (B3) + (L4) X (B4) | 0.0153 |
| II | Rectangle | 142.23 | 7.3 | = L1 X B1 | 0.1038 |
| | Triangle | 68.32 | 7.3 | = (L1) X (B1) + (L2) X (B2) + (L3) X (B3) + (L4) X (B4) | 0.0240 |
| | | | | | 0.2714 |

Hero Honda chowk to Kherkidaula Narsingpur Underground Tunnel

28° 25' 35.58" N

28° 25' 35.09" N

28° 25' 26.20" N

28° 25' 25.71" N

77° 0' 9.08" E
28° 25' 37.29" N

77° 0' 13.77" E
28° 25' 41.19" N

77° 0' 12.86" E
28° 25' 40.10" N

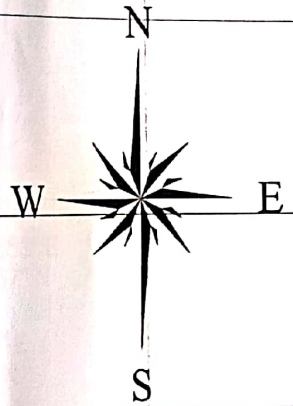
77° 0' 11.57" E
28° 25' 38.58" N

77° 0' 8.16" E
28° 25' 36.19" N

77° 0' 6.65" E
28° 25' 34.42" N

77° 0' 10.64" E
28° 25' 37.47" N

77° 0' 5.11" E
28° 25' 32.59" N



Forest land Required

RRTS Underground Alignment

FOREST LAND REQUIREMENT NARSINGPUR 0.2714

Note: All Dimensions in meters

S. Srivastava
 सलिल श्रीवास्तव/Salil Srivastava
 अधिक्षण अभियंता (सिविल)
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 (भारत सरकार एवं प्रतिभागी राज्य सरकारों का एक संयुक्त उपक्रम)
 National Capital Region Transport Corporation Ltd.
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ncrtc NATIONAL CAPITAL REGION TRANSPORT CORPORATION

PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RTS) CORRIDOR

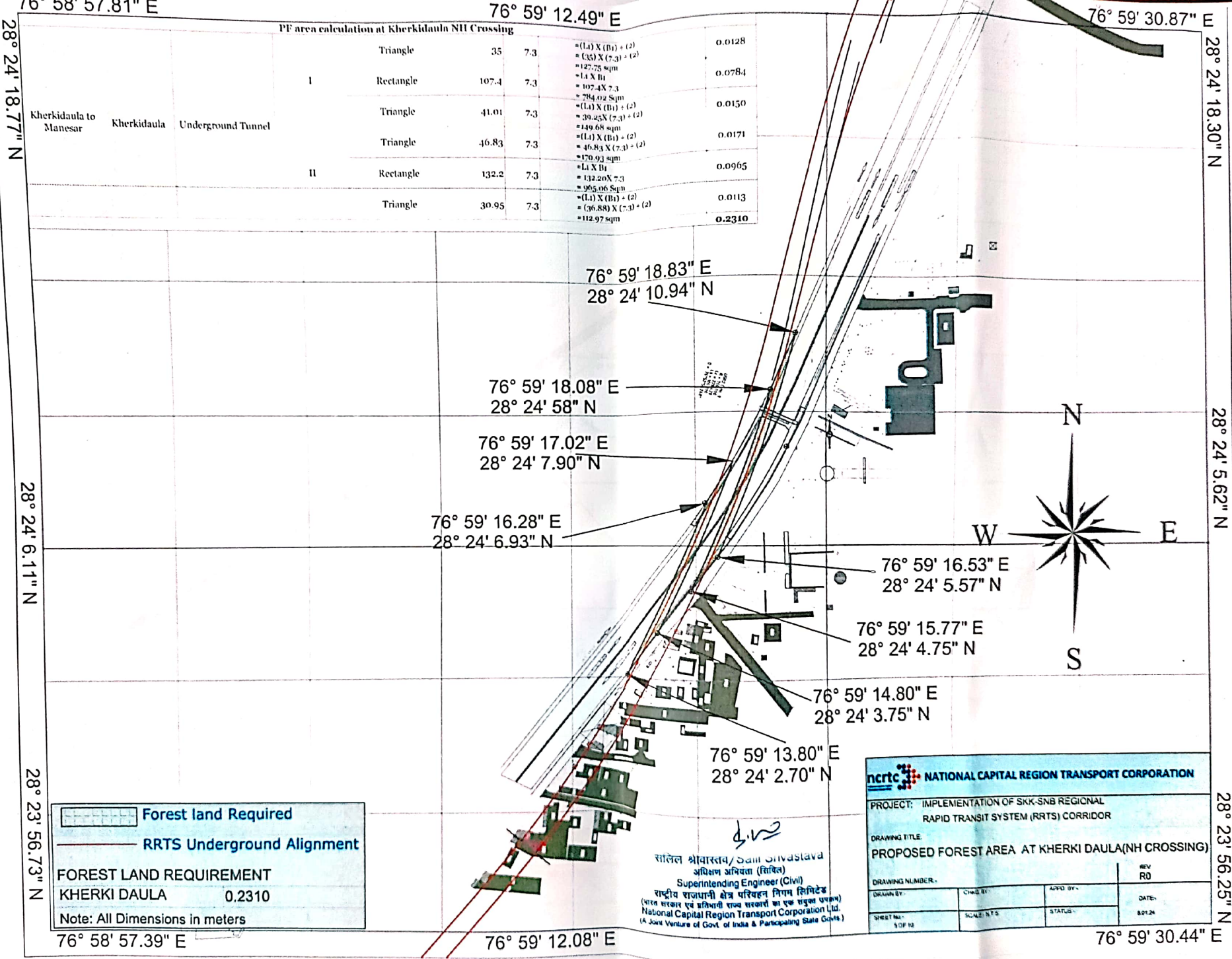
DRAWING TITLE: PROPOSED FOREST AREA AT NARSINGPUR(NH CROSSING)

| | | | |
|-------------------|-----------|----------|---------------|
| DRAWING NUMBER- | CHGD BY- | APPD BY- | REV - RD |
| DRAWN BY- | SCALE-RTS | STATUS- | DATE- 8.01.24 |
| SHEET No- 4 OF 10 | | | |

76° 59' 54.16" E

77° 0' 8.83" E

77° 0' 27.21" E



PF area calculation at Kherki Daula NH Crossing

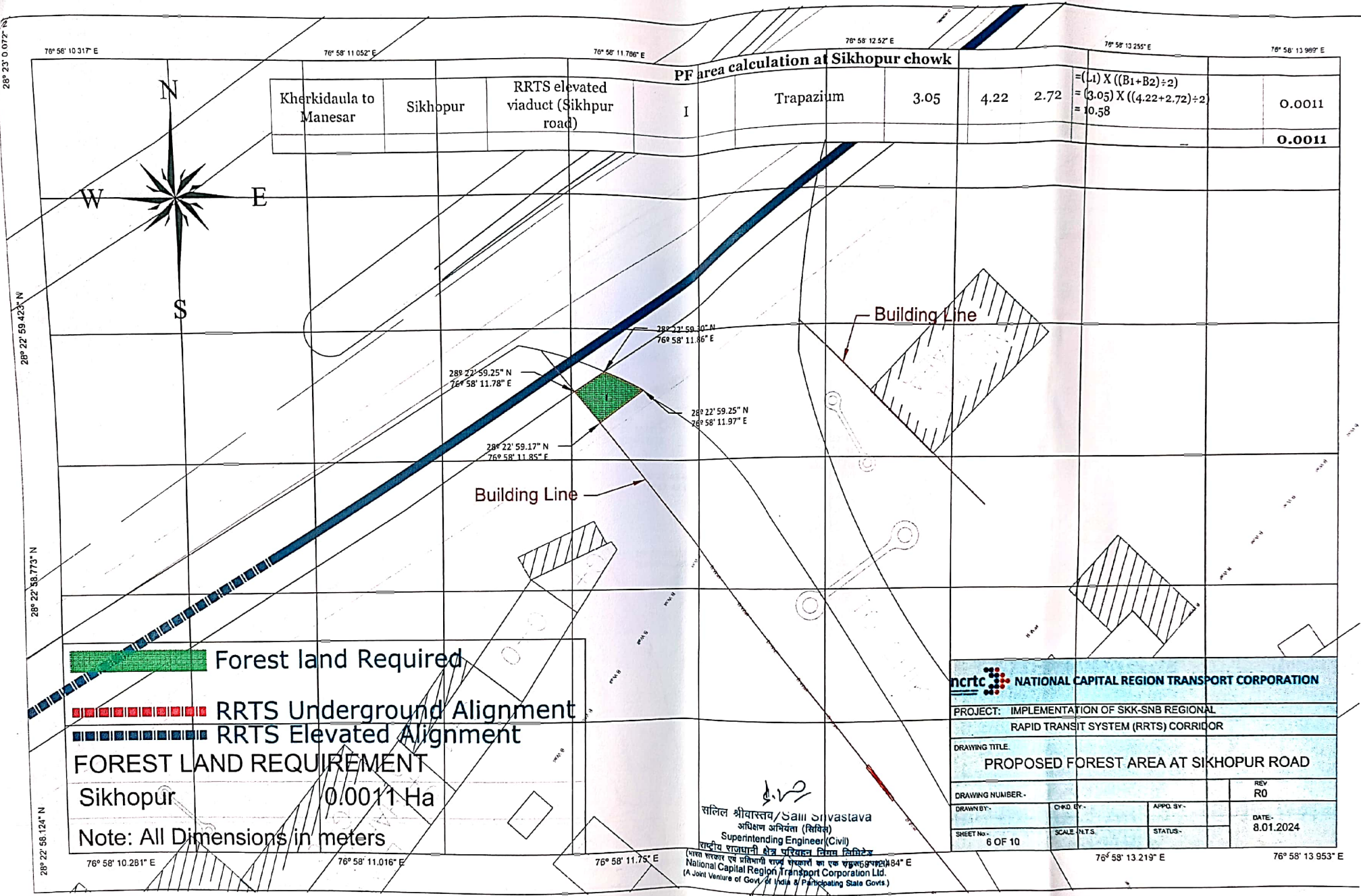
| Shape | Length | Width | Area Calculation | Area (sqm) |
|--------------|--------|-------|--|---------------|
| Triangle | 35 | 7.3 | $= (L) \times (B) \div (2)$ $= (35) \times (7.3) \div (2)$ $= 127.75 \text{ sqm}$ | 0.0128 |
| Rectangle | 107.4 | 7.3 | $= L \times B$ $= 107.4 \times 7.3$ $= 784.02 \text{ sqm}$ | 0.0784 |
| Triangle | 41.01 | 7.3 | $= (L) \times (B) \div (2)$ $= 39.25 \times (7.3) \div (2)$ $= 149.68 \text{ sqm}$ | 0.0150 |
| Triangle | 46.83 | 7.3 | $= (L) \times (B) \div (2)$ $= 46.83 \times (7.3) \div (2)$ $= 170.91 \text{ sqm}$ | 0.0171 |
| Rectangle | 132.2 | 7.3 | $= L \times B$ $= 132.2 \times 7.3$ $= 965.06 \text{ sqm}$ | 0.0965 |
| Triangle | 30.95 | 7.3 | $= (L) \times (B) \div (2)$ $= (30.88) \times (7.3) \div (2)$ $= 112.97 \text{ sqm}$ | 0.0113 |
| Total | | | | 0.2310 |

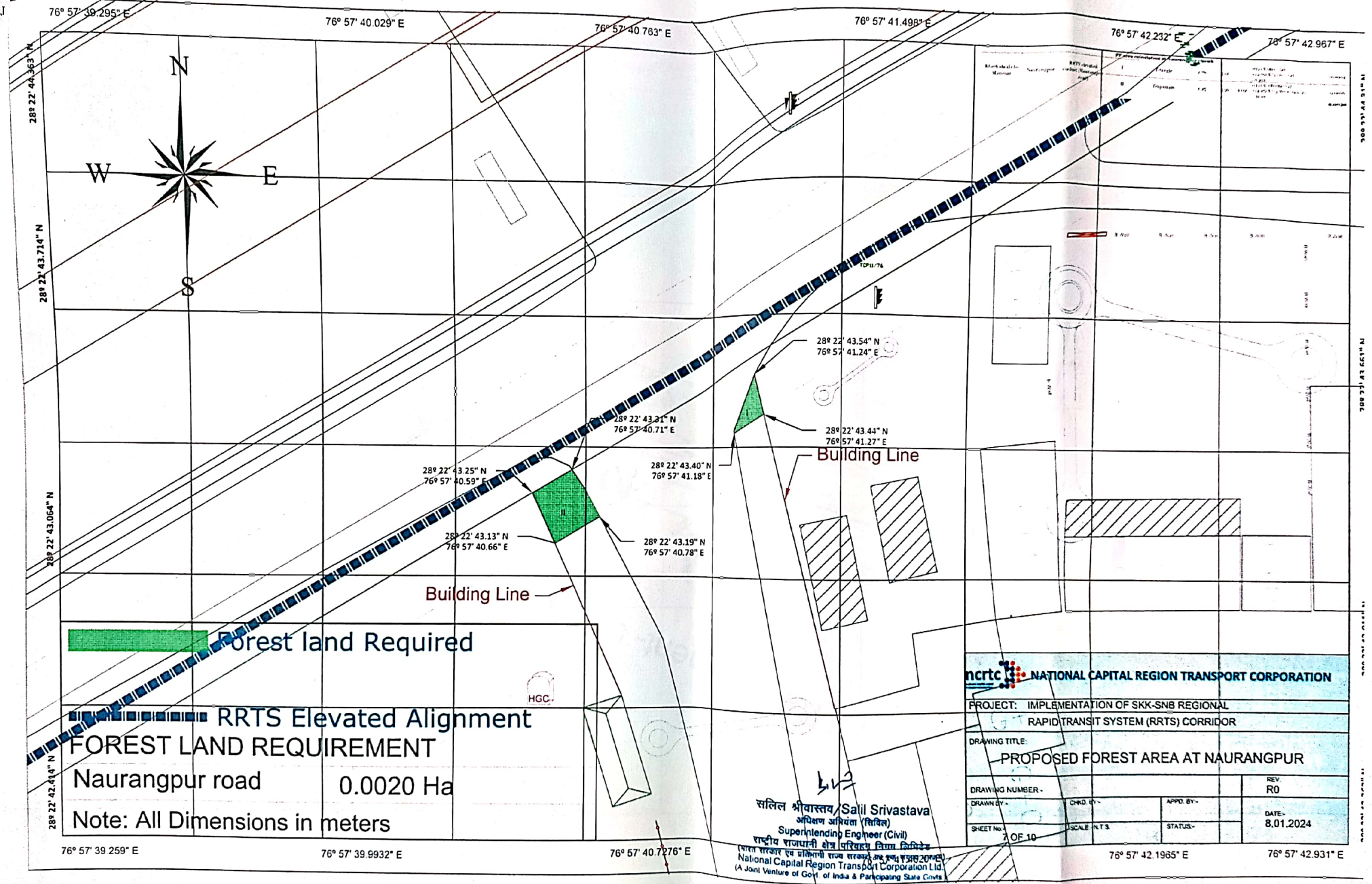
Forest land Required
 RRTS Underground Alignment
FOREST LAND REQUIREMENT
KHERKI DAULA 0.2310
 Note: All Dimensions in meters

4.1.2
 सलिल श्रीवास्तव / Salil Srivastava
 अधिसम अयिता (सिविल)
 Superintending Engineer (Civil)
 राष्ट्रीय राजधानी क्षेत्र परिवहन निगम लिमिटेड
 (एनएनएनएन एन एन इतिहासी राज्य सरकारों का एक संयुक्त उपक्रम)
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| | | | |
|--|---------------|-----------|--------|
| ncrtc NATIONAL CAPITAL REGION TRANSPORT CORPORATION | | | |
| PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR | | | |
| DRAWING TITLE PROPOSED FOREST AREA AT KHERKI DAULA (NH CROSSING) | | | |
| DRAWING NUMBER: | | REV RO | |
| DRAWN BY: | CHECK BY: | APPD BY: | DATE: |
| SHEET No. 5 OF 10 | SCALE: N.T.S. | STATUS: | 8/9/24 |

df





76° 57' 39.295" E 76° 57' 40.029" E 76° 57' 40.763" E 76° 57' 41.498" E 76° 57' 42.232" E 76° 57' 42.967" E

28° 22' 43.663" N
28° 22' 43.714" N
28° 22' 43.064" N
28° 22' 42.414" N

28° 22' 43.25" N 76° 57' 40.59" E
28° 22' 43.13" N 76° 57' 40.66" E
28° 22' 43.31" N 76° 57' 40.71" E
28° 22' 43.40" N 76° 57' 41.18" E
28° 22' 43.54" N 76° 57' 41.24" E
28° 22' 43.44" N 76° 57' 41.27" E
28° 22' 43.19" N 76° 57' 40.78" E

Building Line
Building Line

Forest land Required

RRTS Elevated Alignment

FOREST LAND REQUIREMENT

Naurangpur road 0.0020 Ha

Note: All Dimensions in meters

HGC

76° 57' 39.259" E 76° 57' 39.9932" E 76° 57' 40.7276" E 76° 57' 42.1965" E 76° 57' 42.931" E

| | | | |
|--|-----------|------------|------------------|
| NATIONAL CAPITAL REGION TRANSPORT CORPORATION | | | |
| PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR | | | |
| DRAWING TITLE: PROPOSED FOREST AREA AT NAURANGPUR | | | |
| DRAWING NUMBER - | | REV R0 | |
| DRAWN BY - | CHKD BY - | APPD BY - | DATE - 8.01.2024 |
| SHEET NO. 7 OF 10 | | SCALE: 1:1 | STATUS - |

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 National Capital Region Transport Corporation Ltd.
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76° 56' 18.6508" E

76° 56' 29.6668" E

76° 56' 40.6828" E

76° 56' 51.6989" E

PF area calculation at Manesar IMT Green belt

| Sl. No. | Shape | Dimensions | Area | Coordinates | Area |
|---|-----------|------------|--|--|---------------|
| I | Triangle | 5.01 5.65 | $-\frac{1}{2}(1) \times (B_1 + B_2)$ $= \frac{1}{2}(5.01) \times (5.65) + (2)$ $= 14.15 \text{ sqm}$ | | 0.0014 |
| II | Rectangle | 7.31 5.65 | $-L \times B$ $= 7.31 \times 5.65$ $= 41.30 \text{ sqm}$ | | 0.0041 |
| III | Triangle | 5.65 2.1 | $-\frac{1}{2}(1) \times (B_1 + B_2)$ $= \frac{1}{2}(5.65) \times (2.1) + (2)$ $= 5.93 \text{ sqm}$ | | 0.0006 |
| | | | | | 0.0061 |
| Ramp, & underground Station and underground Stabling line (Cut & Cover) | I | Trapezium | 50.25 1111 1154 | $-\frac{1}{2}(1) \times (B_1 + B_2) \times L$ $= \frac{1}{2}(50.25 + 1111) \times 1154$ $= 59910.15$ | 5.6010 |
| | II | Triangle | 16.58 50.05 | $-\frac{1}{2}(1) \times (B_1 + B_2) \times L$ $= \frac{1}{2}(16.58) \times (50.05) + (2)$ $= 414.9145$ | 0.0415 |
| | | | | | 5.7325 |

Manesar Manesar

Ramp, & underground Station and underground Stabling line (Cut & Cover)

Land Requirement- 5.73 Ha.

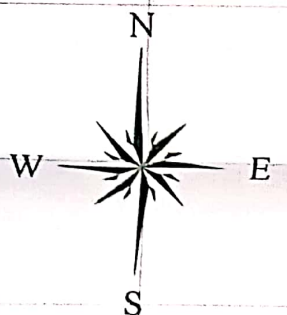
NH-48

X=76° 56' 21.7944" E
Y=28° 21' 44.4187" N

X=76° 56' 29.7292" E
Y=28° 21' 44.3504" N

X=76° 56' 39.9945" E
Y=28° 22' 7.9715" N

X=76° 56' 48.5562" E
Y=28° 22' 15.3053" N



सलिल श्रीवास्तव/Salil Srivastava
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nrtc NATIONAL CAPITAL REGION TRANSPORT CORPORATION

PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RRTS) CORRIDOR

DRAWING TITLE: PROPOSED FOREST AREA AT MANESAR STATION

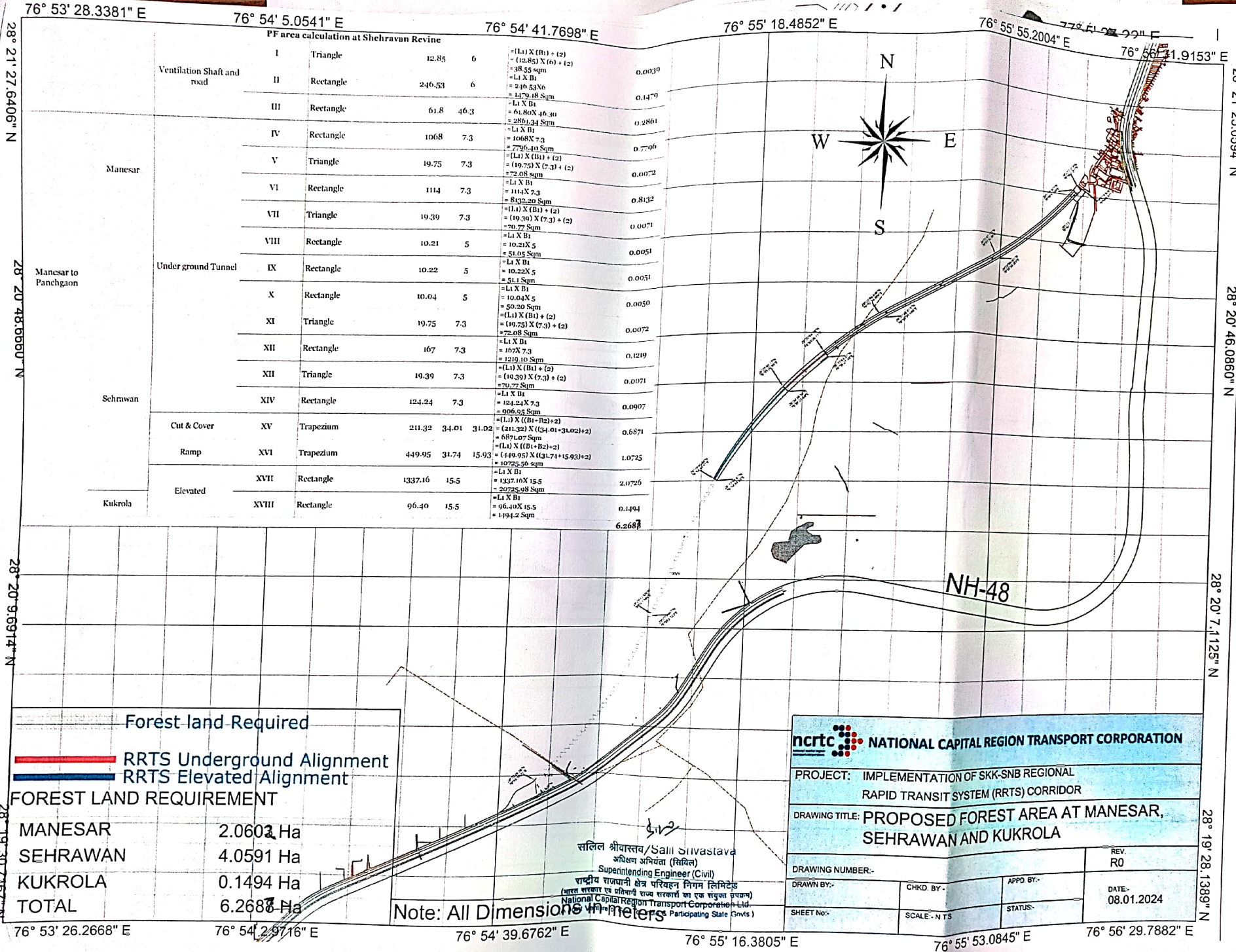
| | |
|------------------|------------------|
| DRAWING NUMBER - | REV. RO |
| DRAWN BY - | DATE - 8.01.2024 |
| CHECK BY - | STATUS - |
| APPROVED BY - | |
| SHEET No - | SCALE - N.T.S. |

FOREST LAND REQUIREMENT MANESAR

5.7386 Ha

Note: All Dimensions in meters

Legend:
 Forest land Required
 RRTS Underground Alignment
 RRTS Elevated Alignment



PF area calculation at Shehavan Revine

| Sl. No. | Shape | Length (m) | Breadth (m) | Area (sqm) | Area (Ha) |
|---------|-----------|------------|-------------|------------|---------------|
| I | Triangle | 12.85 | 6 | 38.55 | 0.0039 |
| II | Rectangle | 246.53 | 6 | 1479.18 | 0.1479 |
| III | Rectangle | 61.8 | 46.3 | 2861.34 | 0.2861 |
| IV | Rectangle | 1068 | 7.3 | 7795.40 | 0.7796 |
| V | Triangle | 19.75 | 7.3 | 72.08 | 0.0072 |
| VI | Rectangle | 1114 | 7.3 | 8132.20 | 0.8132 |
| VII | Triangle | 19.39 | 7.3 | 70.77 | 0.0071 |
| VIII | Rectangle | 10.21 | 5 | 51.05 | 0.0051 |
| IX | Rectangle | 10.22 | 5 | 51.1 | 0.0051 |
| X | Rectangle | 10.04 | 5 | 50.20 | 0.0050 |
| XI | Triangle | 19.75 | 7.3 | 72.08 | 0.0072 |
| XII | Rectangle | 167 | 7.3 | 1219.10 | 0.1219 |
| XIII | Triangle | 19.39 | 7.3 | 70.77 | 0.0071 |
| XIV | Rectangle | 124.24 | 7.3 | 906.95 | 0.0907 |
| XV | Trapezium | 211.32 | 34.01 | 6871.07 | 0.6871 |
| XVI | Trapezium | 449.95 | 31.74 | 10725.50 | 1.0725 |
| XVII | Rectangle | 1337.16 | 15.5 | 20725.98 | 2.0726 |
| XVIII | Rectangle | 96.40 | 15.5 | 1494.2 | 0.1494 |
| | | | | | 6.2688 |

FOREST LAND REQUIREMENT

| | |
|--------------|------------------|
| MANESAR | 2.0603 Ha |
| SEHRAWAN | 4.0591 Ha |
| KUKROLA | 0.1494 Ha |
| TOTAL | 6.2688 Ha |

Note: All Dimensions in Meters

ncrtc NATIONAL CAPITAL REGION TRANSPORT CORPORATION

PROJECT: IMPLEMENTATION OF SKK-SNB REGIONAL RAPID TRANSIT SYSTEM (RTS) CORRIDOR

DRAWING TITLE: PROPOSED FOREST AREA AT MANESAR, SEHRAWAN AND KUKROLA

DRAWING NUMBER:-

REV. R0

DATE: 08.01.2024

DRAWN BY:-

CHKD. BY:-

APPD BY:-

STATUS:-

SHEET No:-

SCALE: N T S

सलिल श्रीयारस्व/Salli Srivastava
अधिष्ठापक अभियंता (सिविल)
Superintending Engineer (Civil)
राष्ट्रीय राजधानी क्षेत्र परिवहन निगम लिमिटेड
(भारत सरकार एवं प्रतिभागी राज्य सरकारों का एक संयुक्त उपक्रम)
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