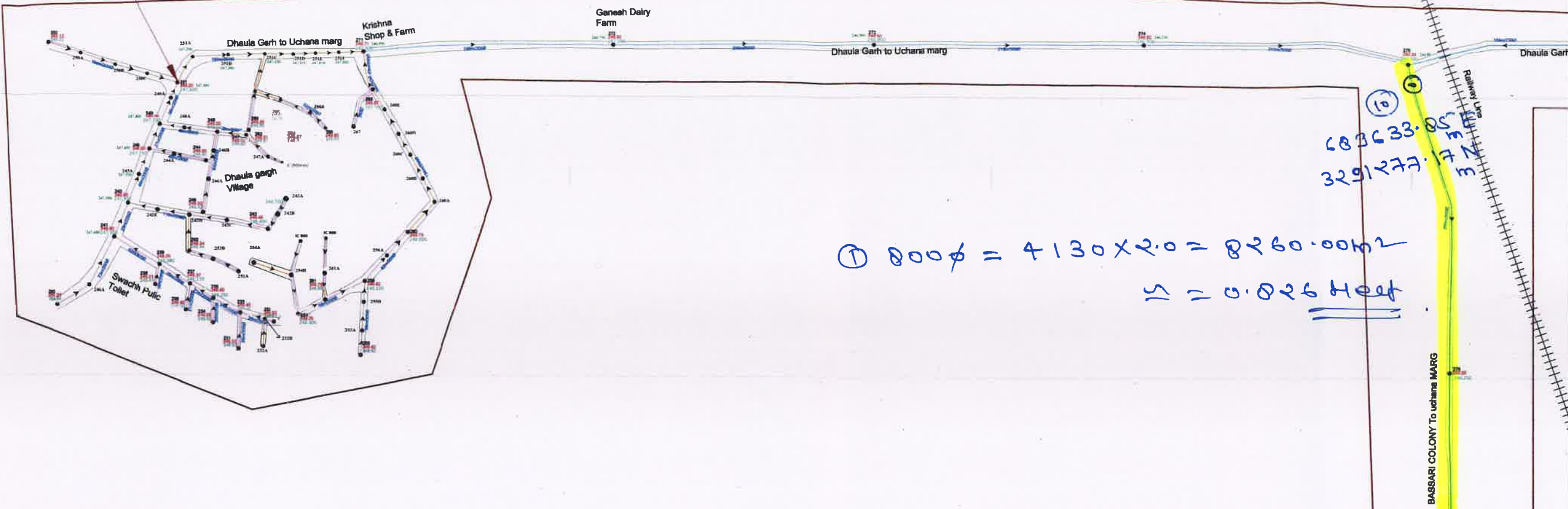


Additional Discharge  
considered into our Sewer  
Network (Q=0.411 MLD)



$$\textcircled{1} \ 800\phi = 4130 \times 2.0 = 8260.00 \text{ m}^2$$

$$\approx 0.026 \text{ Hect}$$

| Sl. No. | Station | Chainage | Proposed Dia | Proposed Depth | Proposed Slope | Proposed Invert | Proposed Outfall |
|---------|---------|----------|--------------|----------------|----------------|-----------------|------------------|
| 1       | 1       | 0        | 800          | 200            | 0.001          | 201.50          | 201.50           |
| 2       | 2       | 10       | 800          | 200            | 0.001          | 201.40          | 201.40           |
| 3       | 3       | 20       | 800          | 200            | 0.001          | 201.30          | 201.30           |
| 4       | 4       | 30       | 800          | 200            | 0.001          | 201.20          | 201.20           |
| 5       | 5       | 40       | 800          | 200            | 0.001          | 201.10          | 201.10           |
| 6       | 6       | 50       | 800          | 200            | 0.001          | 201.00          | 201.00           |
| 7       | 7       | 60       | 800          | 200            | 0.001          | 200.90          | 200.90           |
| 8       | 8       | 70       | 800          | 200            | 0.001          | 200.80          | 200.80           |
| 9       | 9       | 80       | 800          | 200            | 0.001          | 200.70          | 200.70           |
| 10      | 10      | 90       | 800          | 200            | 0.001          | 200.60          | 200.60           |
| 11      | 11      | 100      | 800          | 200            | 0.001          | 200.50          | 200.50           |
| 12      | 12      | 110      | 800          | 200            | 0.001          | 200.40          | 200.40           |
| 13      | 13      | 120      | 800          | 200            | 0.001          | 200.30          | 200.30           |
| 14      | 14      | 130      | 800          | 200            | 0.001          | 200.20          | 200.20           |
| 15      | 15      | 140      | 800          | 200            | 0.001          | 200.10          | 200.10           |
| 16      | 16      | 150      | 800          | 200            | 0.001          | 200.00          | 200.00           |
| 17      | 17      | 160      | 800          | 200            | 0.001          | 199.90          | 199.90           |
| 18      | 18      | 170      | 800          | 200            | 0.001          | 199.80          | 199.80           |
| 19      | 19      | 180      | 800          | 200            | 0.001          | 199.70          | 199.70           |
| 20      | 20      | 190      | 800          | 200            | 0.001          | 199.60          | 199.60           |
| 21      | 21      | 200      | 800          | 200            | 0.001          | 199.50          | 199.50           |
| 22      | 22      | 210      | 800          | 200            | 0.001          | 199.40          | 199.40           |
| 23      | 23      | 220      | 800          | 200            | 0.001          | 199.30          | 199.30           |
| 24      | 24      | 230      | 800          | 200            | 0.001          | 199.20          | 199.20           |
| 25      | 25      | 240      | 800          | 200            | 0.001          | 199.10          | 199.10           |
| 26      | 26      | 250      | 800          | 200            | 0.001          | 199.00          | 199.00           |
| 27      | 27      | 260      | 800          | 200            | 0.001          | 198.90          | 198.90           |
| 28      | 28      | 270      | 800          | 200            | 0.001          | 198.80          | 198.80           |
| 29      | 29      | 280      | 800          | 200            | 0.001          | 198.70          | 198.70           |
| 30      | 30      | 290      | 800          | 200            | 0.001          | 198.60          | 198.60           |
| 31      | 31      | 300      | 800          | 200            | 0.001          | 198.50          | 198.50           |
| 32      | 32      | 310      | 800          | 200            | 0.001          | 198.40          | 198.40           |
| 33      | 33      | 320      | 800          | 200            | 0.001          | 198.30          | 198.30           |
| 34      | 34      | 330      | 800          | 200            | 0.001          | 198.20          | 198.20           |
| 35      | 35      | 340      | 800          | 200            | 0.001          | 198.10          | 198.10           |
| 36      | 36      | 350      | 800          | 200            | 0.001          | 198.00          | 198.00           |
| 37      | 37      | 360      | 800          | 200            | 0.001          | 197.90          | 197.90           |
| 38      | 38      | 370      | 800          | 200            | 0.001          | 197.80          | 197.80           |
| 39      | 39      | 380      | 800          | 200            | 0.001          | 197.70          | 197.70           |
| 40      | 40      | 390      | 800          | 200            | 0.001          | 197.60          | 197.60           |
| 41      | 41      | 400      | 800          | 200            | 0.001          | 197.50          | 197.50           |
| 42      | 42      | 410      | 800          | 200            | 0.001          | 197.40          | 197.40           |
| 43      | 43      | 420      | 800          | 200            | 0.001          | 197.30          | 197.30           |
| 44      | 44      | 430      | 800          | 200            | 0.001          | 197.20          | 197.20           |
| 45      | 45      | 440      | 800          | 200            | 0.001          | 197.10          | 197.10           |
| 46      | 46      | 450      | 800          | 200            | 0.001          | 197.00          | 197.00           |
| 47      | 47      | 460      | 800          | 200            | 0.001          | 196.90          | 196.90           |
| 48      | 48      | 470      | 800          | 200            | 0.001          | 196.80          | 196.80           |
| 49      | 49      | 480      | 800          | 200            | 0.001          | 196.70          | 196.70           |
| 50      | 50      | 490      | 800          | 200            | 0.001          | 196.60          | 196.60           |
| 51      | 51      | 500      | 800          | 200            | 0.001          | 196.50          | 196.50           |
| 52      | 52      | 510      | 800          | 200            | 0.001          | 196.40          | 196.40           |
| 53      | 53      | 520      | 800          | 200            | 0.001          | 196.30          | 196.30           |
| 54      | 54      | 530      | 800          | 200            | 0.001          | 196.20          | 196.20           |
| 55      | 55      | 540      | 800          | 200            | 0.001          | 196.10          | 196.10           |
| 56      | 56      | 550      | 800          | 200            | 0.001          | 196.00          | 196.00           |
| 57      | 57      | 560      | 800          | 200            | 0.001          | 195.90          | 195.90           |
| 58      | 58      | 570      | 800          | 200            | 0.001          | 195.80          | 195.80           |
| 59      | 59      | 580      | 800          | 200            | 0.001          | 195.70          | 195.70           |
| 60      | 60      | 590      | 800          | 200            | 0.001          | 195.60          | 195.60           |

NOTE: REMAINING PART AS ENCLOSED.

- From 10 to 9 = 750 mtr.
- From - 9 to 8 = 990 mtr.
- From - 8 to 7 = 744 mtr.
- From - 7 to 6 = 787 mtr.
- From - 6 to 5 = 582 mtr.

Executive Engineer  
Municipal Corporation  
KARNAL

Executive Engineer  
Municipal Corporation  
KARNAL



689667.24m E  
3291130.40m N



LAYOUT OF SHEETS



LEGEND

- 800 mm Dia D.I.P.C. Pipe
- 600 mm Dia D.I.P.C. Pipe
- 400 mm Dia D.I.P.C. Pipe
- 300 mm Dia D.I.P.C. Pipe
- 200 mm Dia D.I.P.C. Pipe
- 150 mm Dia D.I.P.C. Pipe
- 100 mm Dia D.I.P.C. Pipe
- 75 mm Dia D.I.P.C. Pipe
- 50 mm Dia D.I.P.C. Pipe
- 30 mm Dia D.I.P.C. Pipe
- 20 mm Dia D.I.P.C. Pipe
- 15 mm Dia D.I.P.C. Pipe
- 10 mm Dia D.I.P.C. Pipe
- 7.5 mm Dia D.I.P.C. Pipe
- 5 mm Dia D.I.P.C. Pipe
- 3 mm Dia D.I.P.C. Pipe
- 2 mm Dia D.I.P.C. Pipe
- 1.5 mm Dia D.I.P.C. Pipe
- 1 mm Dia D.I.P.C. Pipe
- 0.75 mm Dia D.I.P.C. Pipe
- 0.5 mm Dia D.I.P.C. Pipe
- 0.3 mm Dia D.I.P.C. Pipe
- 0.2 mm Dia D.I.P.C. Pipe
- 0.1 mm Dia D.I.P.C. Pipe
- 0.075 mm Dia D.I.P.C. Pipe
- 0.05 mm Dia D.I.P.C. Pipe
- 0.03 mm Dia D.I.P.C. Pipe
- 0.02 mm Dia D.I.P.C. Pipe
- 0.01 mm Dia D.I.P.C. Pipe

LEGEND

- Large Diameter in mm
- Small Diameter in mm
- Proposed Sewer Line
- Existing Sewer Line
- Manhole
- Pipe Diameter

"Providing sewerage network and all ancillary works including construction of pumping station & STP/sewage treatment plant on SPM technology alongwith O&M for 5 years in Karnal town under AMRUT Program"

GOVERNMENT OF HARYANA  
Directorate of Urban Local Bodies  
Panchsukh Haryana

CLIENT:  
EXECUTIVE ENGINEER-1st  
MUNICIPAL CORPORATION  
KARNAL

CONSULTANT:  
M/S. HANUWAL & SONS  
(A Government of India Undertaking)  
Centre For Water Supply & Sanitation  
800 302, 2nd Floor, Main Market  
Sector-8, Panchsukh-134108.

CONTRACTOR:  
M/S. TPL-APL Joint Venture  
House No. 3, Sector-8,  
Urban Estate,  
Karnal, Haryana-130001

SCALE: 1:1000  
SHEET NO. 01  
DATE: 01/01/2020

DESIGNED BY: P.K.  
CHECKED BY: P.K.  
APPROVED BY: P.K.  
DATE: 01/01/2020



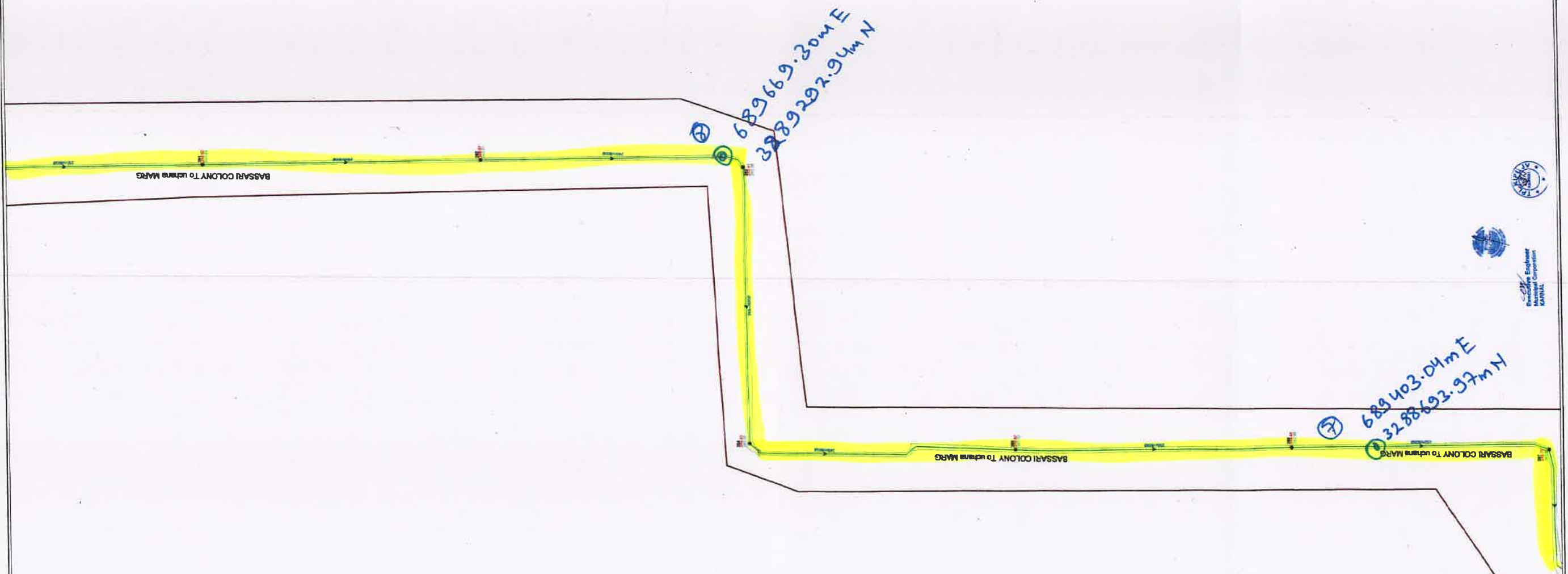


ASUTU AREA



LEGEND

|       |         |
|-------|---------|
| 100m  | 1:1000  |
| 200m  | 1:2000  |
| 300m  | 1:3000  |
| 400m  | 1:4000  |
| 500m  | 1:5000  |
| 600m  | 1:6000  |
| 700m  | 1:7000  |
| 800m  | 1:8000  |
| 900m  | 1:9000  |
| 1000m | 1:10000 |



NOTE: REMAINING PART ARE ENCLOSED

| Station | Chainage | Height | Remarks            |
|---------|----------|--------|--------------------|
| 1       | 0+00     | 100.00 | Start of alignment |
| 2       | 0+10     | 100.10 |                    |
| 3       | 0+20     | 100.20 |                    |
| 4       | 0+30     | 100.30 |                    |
| 5       | 0+40     | 100.40 |                    |
| 6       | 0+50     | 100.50 |                    |
| 7       | 0+60     | 100.60 |                    |
| 8       | 0+70     | 100.70 |                    |
| 9       | 0+80     | 100.80 |                    |
| 10      | 0+90     | 100.90 |                    |
| 11      | 1+00     | 101.00 |                    |
| 12      | 1+10     | 101.10 |                    |
| 13      | 1+20     | 101.20 |                    |
| 14      | 1+30     | 101.30 |                    |
| 15      | 1+40     | 101.40 |                    |
| 16      | 1+50     | 101.50 |                    |
| 17      | 1+60     | 101.60 |                    |
| 18      | 1+70     | 101.70 |                    |
| 19      | 1+80     | 101.80 |                    |
| 20      | 1+90     | 101.90 |                    |
| 21      | 2+00     | 102.00 |                    |
| 22      | 2+10     | 102.10 |                    |
| 23      | 2+20     | 102.20 |                    |
| 24      | 2+30     | 102.30 |                    |
| 25      | 2+40     | 102.40 |                    |
| 26      | 2+50     | 102.50 |                    |
| 27      | 2+60     | 102.60 |                    |
| 28      | 2+70     | 102.70 |                    |
| 29      | 2+80     | 102.80 |                    |
| 30      | 2+90     | 102.90 |                    |
| 31      | 3+00     | 103.00 |                    |
| 32      | 3+10     | 103.10 |                    |
| 33      | 3+20     | 103.20 |                    |
| 34      | 3+30     | 103.30 |                    |
| 35      | 3+40     | 103.40 |                    |
| 36      | 3+50     | 103.50 |                    |
| 37      | 3+60     | 103.60 |                    |
| 38      | 3+70     | 103.70 |                    |
| 39      | 3+80     | 103.80 |                    |
| 40      | 3+90     | 103.90 |                    |
| 41      | 4+00     | 104.00 |                    |
| 42      | 4+10     | 104.10 |                    |
| 43      | 4+20     | 104.20 |                    |
| 44      | 4+30     | 104.30 |                    |
| 45      | 4+40     | 104.40 |                    |
| 46      | 4+50     | 104.50 |                    |
| 47      | 4+60     | 104.60 |                    |
| 48      | 4+70     | 104.70 |                    |
| 49      | 4+80     | 104.80 |                    |
| 50      | 4+90     | 104.90 |                    |
| 51      | 5+00     | 105.00 |                    |
| 52      | 5+10     | 105.10 |                    |
| 53      | 5+20     | 105.20 |                    |
| 54      | 5+30     | 105.30 |                    |
| 55      | 5+40     | 105.40 |                    |
| 56      | 5+50     | 105.50 |                    |
| 57      | 5+60     | 105.60 |                    |
| 58      | 5+70     | 105.70 |                    |
| 59      | 5+80     | 105.80 |                    |
| 60      | 5+90     | 105.90 |                    |
| 61      | 6+00     | 106.00 |                    |
| 62      | 6+10     | 106.10 |                    |
| 63      | 6+20     | 106.20 |                    |
| 64      | 6+30     | 106.30 |                    |
| 65      | 6+40     | 106.40 |                    |
| 66      | 6+50     | 106.50 |                    |
| 67      | 6+60     | 106.60 |                    |
| 68      | 6+70     | 106.70 |                    |
| 69      | 6+80     | 106.80 |                    |
| 70      | 6+90     | 106.90 |                    |
| 71      | 7+00     | 107.00 |                    |
| 72      | 7+10     | 107.10 |                    |
| 73      | 7+20     | 107.20 |                    |
| 74      | 7+30     | 107.30 |                    |
| 75      | 7+40     | 107.40 |                    |
| 76      | 7+50     | 107.50 |                    |
| 77      | 7+60     | 107.60 |                    |
| 78      | 7+70     | 107.70 |                    |
| 79      | 7+80     | 107.80 |                    |
| 80      | 7+90     | 107.90 |                    |
| 81      | 8+00     | 108.00 |                    |
| 82      | 8+10     | 108.10 |                    |
| 83      | 8+20     | 108.20 |                    |
| 84      | 8+30     | 108.30 |                    |
| 85      | 8+40     | 108.40 |                    |
| 86      | 8+50     | 108.50 |                    |
| 87      | 8+60     | 108.60 |                    |
| 88      | 8+70     | 108.70 |                    |
| 89      | 8+80     | 108.80 |                    |
| 90      | 8+90     | 108.90 |                    |
| 91      | 9+00     | 109.00 |                    |
| 92      | 9+10     | 109.10 |                    |
| 93      | 9+20     | 109.20 |                    |
| 94      | 9+30     | 109.30 |                    |
| 95      | 9+40     | 109.40 |                    |
| 96      | 9+50     | 109.50 |                    |
| 97      | 9+60     | 109.60 |                    |
| 98      | 9+70     | 109.70 |                    |
| 99      | 9+80     | 109.80 |                    |
| 100     | 9+90     | 109.90 |                    |

Executive Engineer  
Municipal Corporation  
KARNAL

LEGEND

Scale: 1:1000

North Arrow

Project Details:

PROJECT: BASSARI COLONY To udhana MARG

CLIENT: MUNICIPAL CORPORATION KARNAL

DESIGNER: M/S. VIKAS ENGINEERING & CONSULTANCY

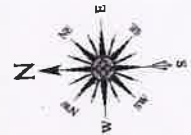
CONTRACTOR: M/S. VIKAS ENGINEERING & CONSULTANCY

DATE: 10/10/2023

REVISIONS:

| NO. | DESCRIPTION       | DATE       |
|-----|-------------------|------------|
| 1   | ISSUED FOR TENDER | 10/10/2023 |
| 2   | ISSUED FOR TENDER | 10/10/2023 |
| 3   | ISSUED FOR TENDER | 10/10/2023 |





LEGEND

|       |         |
|-------|---------|
| 100m  | 1:1000  |
| 200m  | 1:2000  |
| 300m  | 1:3000  |
| 400m  | 1:4000  |
| 500m  | 1:5000  |
| 600m  | 1:6000  |
| 700m  | 1:7000  |
| 800m  | 1:8000  |
| 900m  | 1:9000  |
| 1000m | 1:10000 |

Zarifan Form House

Zarifan Form House

Zarifan Form House

688978.43m E  
3287981.37m N

| Sl. No. | Area (sq. m) | Volume (cu. m) | Weight (kg) | Remarks |
|---------|--------------|----------------|-------------|---------|
| 1       | 100          | 100            | 100         | 100     |
| 2       | 200          | 200            | 200         | 200     |
| 3       | 300          | 300            | 300         | 300     |
| 4       | 400          | 400            | 400         | 400     |
| 5       | 500          | 500            | 500         | 500     |
| 6       | 600          | 600            | 600         | 600     |
| 7       | 700          | 700            | 700         | 700     |
| 8       | 800          | 800            | 800         | 800     |
| 9       | 900          | 900            | 900         | 900     |
| 10      | 1000         | 1000           | 1000        | 1000    |
| 11      | 1100         | 1100           | 1100        | 1100    |
| 12      | 1200         | 1200           | 1200        | 1200    |
| 13      | 1300         | 1300           | 1300        | 1300    |
| 14      | 1400         | 1400           | 1400        | 1400    |
| 15      | 1500         | 1500           | 1500        | 1500    |
| 16      | 1600         | 1600           | 1600        | 1600    |
| 17      | 1700         | 1700           | 1700        | 1700    |
| 18      | 1800         | 1800           | 1800        | 1800    |
| 19      | 1900         | 1900           | 1900        | 1900    |
| 20      | 2000         | 2000           | 2000        | 2000    |
| 21      | 2100         | 2100           | 2100        | 2100    |
| 22      | 2200         | 2200           | 2200        | 2200    |
| 23      | 2300         | 2300           | 2300        | 2300    |
| 24      | 2400         | 2400           | 2400        | 2400    |
| 25      | 2500         | 2500           | 2500        | 2500    |
| 26      | 2600         | 2600           | 2600        | 2600    |
| 27      | 2700         | 2700           | 2700        | 2700    |
| 28      | 2800         | 2800           | 2800        | 2800    |
| 29      | 2900         | 2900           | 2900        | 2900    |
| 30      | 3000         | 3000           | 3000        | 3000    |
| 31      | 3100         | 3100           | 3100        | 3100    |
| 32      | 3200         | 3200           | 3200        | 3200    |
| 33      | 3300         | 3300           | 3300        | 3300    |
| 34      | 3400         | 3400           | 3400        | 3400    |
| 35      | 3500         | 3500           | 3500        | 3500    |
| 36      | 3600         | 3600           | 3600        | 3600    |
| 37      | 3700         | 3700           | 3700        | 3700    |
| 38      | 3800         | 3800           | 3800        | 3800    |
| 39      | 3900         | 3900           | 3900        | 3900    |
| 40      | 4000         | 4000           | 4000        | 4000    |
| 41      | 4100         | 4100           | 4100        | 4100    |
| 42      | 4200         | 4200           | 4200        | 4200    |
| 43      | 4300         | 4300           | 4300        | 4300    |
| 44      | 4400         | 4400           | 4400        | 4400    |
| 45      | 4500         | 4500           | 4500        | 4500    |
| 46      | 4600         | 4600           | 4600        | 4600    |
| 47      | 4700         | 4700           | 4700        | 4700    |
| 48      | 4800         | 4800           | 4800        | 4800    |
| 49      | 4900         | 4900           | 4900        | 4900    |
| 50      | 5000         | 5000           | 5000        | 5000    |
| 51      | 5100         | 5100           | 5100        | 5100    |
| 52      | 5200         | 5200           | 5200        | 5200    |
| 53      | 5300         | 5300           | 5300        | 5300    |
| 54      | 5400         | 5400           | 5400        | 5400    |
| 55      | 5500         | 5500           | 5500        | 5500    |
| 56      | 5600         | 5600           | 5600        | 5600    |
| 57      | 5700         | 5700           | 5700        | 5700    |
| 58      | 5800         | 5800           | 5800        | 5800    |
| 59      | 5900         | 5900           | 5900        | 5900    |
| 60      | 6000         | 6000           | 6000        | 6000    |
| 61      | 6100         | 6100           | 6100        | 6100    |
| 62      | 6200         | 6200           | 6200        | 6200    |
| 63      | 6300         | 6300           | 6300        | 6300    |
| 64      | 6400         | 6400           | 6400        | 6400    |
| 65      | 6500         | 6500           | 6500        | 6500    |
| 66      | 6600         | 6600           | 6600        | 6600    |
| 67      | 6700         | 6700           | 6700        | 6700    |
| 68      | 6800         | 6800           | 6800        | 6800    |
| 69      | 6900         | 6900           | 6900        | 6900    |
| 70      | 7000         | 7000           | 7000        | 7000    |
| 71      | 7100         | 7100           | 7100        | 7100    |
| 72      | 7200         | 7200           | 7200        | 7200    |
| 73      | 7300         | 7300           | 7300        | 7300    |
| 74      | 7400         | 7400           | 7400        | 7400    |
| 75      | 7500         | 7500           | 7500        | 7500    |
| 76      | 7600         | 7600           | 7600        | 7600    |
| 77      | 7700         | 7700           | 7700        | 7700    |
| 78      | 7800         | 7800           | 7800        | 7800    |
| 79      | 7900         | 7900           | 7900        | 7900    |
| 80      | 8000         | 8000           | 8000        | 8000    |
| 81      | 8100         | 8100           | 8100        | 8100    |
| 82      | 8200         | 8200           | 8200        | 8200    |
| 83      | 8300         | 8300           | 8300        | 8300    |
| 84      | 8400         | 8400           | 8400        | 8400    |
| 85      | 8500         | 8500           | 8500        | 8500    |
| 86      | 8600         | 8600           | 8600        | 8600    |
| 87      | 8700         | 8700           | 8700        | 8700    |
| 88      | 8800         | 8800           | 8800        | 8800    |
| 89      | 8900         | 8900           | 8900        | 8900    |
| 90      | 9000         | 9000           | 9000        | 9000    |
| 91      | 9100         | 9100           | 9100        | 9100    |
| 92      | 9200         | 9200           | 9200        | 9200    |
| 93      | 9300         | 9300           | 9300        | 9300    |
| 94      | 9400         | 9400           | 9400        | 9400    |
| 95      | 9500         | 9500           | 9500        | 9500    |
| 96      | 9600         | 9600           | 9600        | 9600    |
| 97      | 9700         | 9700           | 9700        | 9700    |
| 98      | 9800         | 9800           | 9800        | 9800    |
| 99      | 9900         | 9900           | 9900        | 9900    |
| 100     | 10000        | 10000          | 10000       | 10000   |

NOTE: REMAINING PART AS ENCLOSED

Proposed Site for  
IPS-1 of Saidpura

Executive Engineer  
Municipal Corporation  
KARNAL



CLIENT  
MUNICIPAL CORPORATION  
KARNAL

CONSULTANT  
M/S. VIKAS LINTED  
A Government of India, Undertaking  
B-10, Sector-10, Connaught Place, New Delhi-110028  
Phone: 2610 1111, 2610 1112, 2610 1113, 2610 1114, 2610 1115  
Fax: 2610 1116, 2610 1117, 2610 1118, 2610 1119, 2610 1120  
E-mail: vikas@vikas.co.in, vikas@vsnl.net, vikas@rediffmail.com

PROJECT  
M/S. VIKAS LINTED  
A Government of India, Undertaking  
B-10, Sector-10, Connaught Place, New Delhi-110028  
Phone: 2610 1111, 2610 1112, 2610 1113, 2610 1114, 2610 1115  
Fax: 2610 1116, 2610 1117, 2610 1118, 2610 1119, 2610 1120  
E-mail: vikas@vikas.co.in, vikas@vsnl.net, vikas@rediffmail.com