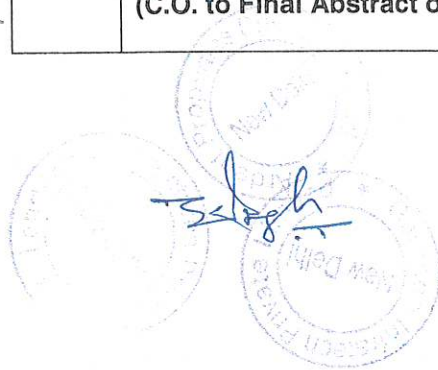


3. FINAL ABSTRACT OF COST

| S. No. | Description                                                 | Rs. in Lakh                                                     |
|--------|-------------------------------------------------------------|-----------------------------------------------------------------|
| 1.     | Sub Work No. I Water Supply                                 | <del>726.89</del> <sup>808</sup> <del>1353.6</del> <sup>1</sup> |
| 2.     | Sub Work No. II Sewerage                                    | <del>295.03</del> <sup>231</sup> <del>306.15</del>              |
| 3.     | Sub Work No. III Storm water Drainage                       | <del>287.57</del> <sup>233</sup> <del>238.50</del>              |
| 4.     | Sub Work IV Road Network                                    | <del>524.86</del> <sup>302</sup> <del>666.00</del>              |
| 5.     | Sub Work V Street Lighting                                  | <del>83.45</del> <sup>39</sup> <del>55.10</del>                 |
| 6.     | Sub Work VI Horticulture                                    | <del>56.80</del> <sup>52</sup> <del>56.72</del>                 |
| 7.     | Sub Work VII Maintenance of Services & Resurfacing of Roads | <del>757.90</del> <sup>246</sup> <del>706.00</del>              |
|        | <b>Total</b>                                                | <b>Rs. 1911 Lakh</b><br><del>2732.50</del> <sup>3382.08</sup>   |
|        | <b>(C.O. to Final Abstract of Cost) Say Rupees</b>          | <b>Rs. 1911 Lakh</b>                                            |



*1/11/14*  
*800 E-35*

*1/11/14*  
*800 E-35*

Check subject to comments  
in forwarding letter No. 1185  
Dated 11/11/14 and notes attached  
with the estimate

*1/11/14*  
Executive Engineer (W)  
for Chief Engineer  
HUDA Panchkula

*23/11/14*

Executive Engineer  
HUDA Divn. No. VI  
Gurgaon

Superintending Engineer  
HUDA Circle, Gurgaon

Director General  
Town and Country Planning,  
Haryana, Chandigarh

4. **ABSTRACT OF COST OF SUB WORK NO.1 (WATER SUPPLY)**

| S. No. | Description                                        | Rs. in Lakh                                                     |
|--------|----------------------------------------------------|-----------------------------------------------------------------|
| 1.     | Sub Head No. I Head Works                          | 172.11 <del>87.0</del> <del>110.00</del>                        |
| 2.     | Sub Head No. II Pumping Machinery                  | 317.68 <del>331.0</del> <del>360.35</del>                       |
| 3.     | Sub Head No. III Distribution System               | 69.39 <del>80.0</del> <del>38.40</del>                          |
| 4.     | Sub Head No. IV Rising main from HUDA              | 30.54 <del>97.0</del> <del>101.27</del>                         |
| 5.     | Sub Head No. V Flushing water supply               | 53.54 <del>89.0</del> <del>80.06</del>                          |
| 6.     | Sub Head No. VI External Fire Hydrants / Fire ring | 79.68 <del>85.0</del> <del>90.40</del>                          |
| 7.     | Sub Head No. VII Irrigation                        | 3.95 <del>39.0</del> <del>41.53</del>                           |
|        | <b>Total</b>                                       | <b>Rs. 808 Lakh</b><br>726.89 <del>Lacs</del> <del>882.01</del> |
|        | <b>(C.O. to Final Abstract Of Cost) SAY Rupees</b> | <b>Rs. 808 Lakh</b><br>882.00                                   |

~~Add 3% contingencies & P.E. charges.~~

~~Total~~

~~Add 49% departmental charges~~

~~Grand Total~~

~~26.46~~

~~908.46 Lacs~~

~~445.15~~

~~1353.61~~

*Signature*

**Sub Work - 1****Sub Head I : Water Supply Head Works**

| S. No. | Description                                                                                                                                                                                      | Amount                                |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 1.     | Boring and installing 510 mm i/d tube wells with reverse rotary rig complete with pipe and strainer to a depth of about 80 m. in all respect 4 No. @ <del>3,75,000/-</del> each (2+2)<br>700 000 | <del>1500000</del><br>2800 000        |
| 2.     | Provision for rising mains, connecting tube wells with Water main and Bye-pass arrangements<br>232 1575/-                                                                                        |                                       |
| a.     | 150 mm dia - 180 m @ Rs. <del>1350/-</del> +1500                                                                                                                                                 | <del>243000</del><br>270000 3.65 Lacs |
| 3.     | Providing Pumps Capacity 250 lpm at 55 M head 4 No. with electrically driven submersible pump complete in all respect @ Rs. <del>1,68,750/-</del> 170000                                         | <del>675000</del><br>680000 8.00 Lacs |
| 4.     | Provision for carriage of materials & other unforeseen items                                                                                                                                     | <del>100000</del><br>200000           |
| 5.     | Construction of U.G. tanks 1900 KL Rs. <del>3157.97</del> KL including (250+250) sunk Dorn 3000 ft. sunk Rm. sunk Rm. including new ssp 3500 KL                                                  | <del>6000000</del><br>6650 000        |
| 6.     | Provision for construction of pump construction of pump chamber of size 1.5m x 1.5 m for housing 4 tube well No @ Rs. <del>45,000/-</del> each 100000                                            | <del>180000</del><br>40.0000          |
|        | <b>Total</b>                                                                                                                                                                                     | <del>8698000</del><br>11000000        |

SAY ~~27~~ Lacs

(C.O. to abstract of cost of Sub-work No. I)

Add 3% Contingency &amp; PE charges

Add 49% depl., price escalation  
unforeseen, Admin. charges

Say 110.00 Lacs. 112.15 Lacs  
 3.36 Lacs  
 115.51 Lacs

56.60 Lacs  
 172.11 Lacs

## Sub Work – 1

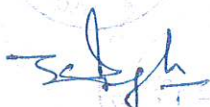
## Sub Head – II : Pumping Machinery

| S. No. | Description                                                                                                                                                                                                       | Amount                                                 |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1.     | Provision for diesel engine gen set each for stand by arrangements for T.W. of booster pump complete with gear head arrangement of following capacities - 2<br>No. 415 KVA <del>320 KVA</del> (250+270) (175+175) | <del>5000000</del><br><del>6000000</del><br>35.00 Lacs |
| 2.     | Providing and installing pumping set of following capacities for fire protections                                                                                                                                 | 0                                                      |
|        | Jockey - 180 lpm at 200M head 4 No. @ Rs. 2,50,000/-<br>15HP                                                                                                                                                      | 1000000<br>10.00 Lacs                                  |
|        | Elect. driven - 2850 lpm at 200 M head 4 No. @ Rs. 14,00,000/-<br>200HP                                                                                                                                           | <del>5600000</del><br>60.00 Lacs                       |
|        | - 4850 lpm at 200 M head 2 No. DG pump @ Rs. 20,00,000<br>200HP                                                                                                                                                   | 4000000<br>11.00 Lacs                                  |
| 3.     | Providing and installing pumping set of following capacities for domestic water                                                                                                                                   | 0                                                      |
|        | - 8 lps at 155 mts Head for phase-1 6 No. @ Rs. 1,50,000/-<br>3.34 (4+2) (12.50HP) 1.50 Lacs                                                                                                                      | <del>900000</del><br>1080000<br>9.00 Lacs              |
|        | - 9 lps at 155 mts Head for phase-2 6 No. @ Rs. 1,70,000/-<br>(4+2) (12.50HP) 1.50 Lacs                                                                                                                           | <del>1020000</del><br>1200000<br>9.00 Lacs             |
| 4.     | Providing and installing pumping set of following capacities for flushing water                                                                                                                                   | 0                                                      |
|        | - 9 lps at 155 mts Head for phase-1 6 No. @ Rs. 1,70,000/-<br>4.42 (15.00HP) 2.00 Lacs                                                                                                                            | <del>510000</del><br>600000<br>12.00 Lacs              |
|        | - 10 lps at 155 mts Head for phase-2 6 No. @ Rs. 1,90,000/-<br>4.25 (15HP) 2.00 Lacs                                                                                                                              | <del>570000</del><br>660000<br>12.00 Lacs              |
| 5.     | Providing and installing pumping set of following capacities for irrigation water                                                                                                                                 | 0                                                      |
|        | - 9 lps at 45 mts Head for phase-1 4 No. @ Rs. 85,000/-<br>100000                                                                                                                                                 | <del>340000</del><br>400000                            |
|        | - 9 lps at 45 mts Head for phase-2 4 No. @ Rs. 85,000/-<br>100000                                                                                                                                                 | <del>340000</del><br>400000                            |
| 6.     | Provision for Chlorination plant complete 2 No. @ Rs. 80,000/-<br>100000                                                                                                                                          | <del>160000</del><br>200000                            |
| 7.     | Provision for making foundations & erection of pumping machinery                                                                                                                                                  | <del>640000</del><br>4.00                              |
| 8.     | Provision for pipes, valves & specials inside boosting chamber                                                                                                                                                    | <del>800000</del><br>5.00                              |
| 9.     | Provision for electric services connection including electric fittings for boosting chambers etc and cost of Transformer                                                                                          | 600000                                                 |
| 10.    | Provision for carriage for materials and other unforeseen items L.S                                                                                                                                               | 300000                                                 |
|        | Total                                                                                                                                                                                                             | <del>21780000</del><br>217.80 Lacs                     |
|        | Add 3% contingencies & PH charges                                                                                                                                                                                 | <del>653400</del><br>6.21 Lacs                         |
|        | Total                                                                                                                                                                                                             | <del>704400</del><br>213.21 Lacs                       |
|        | Add 49% Deptt. Charges, Price Escalation Unforeseen, charge                                                                                                                                                       | <del>10672200</del><br>104.47 Lacs                     |
|        | Total                                                                                                                                                                                                             | <del>33105600</del><br>317.68 Lacs                     |

Say 317 Lakh

(C.O. to abstract of cost of Sub-work No.I)

Say → 360.35 Lacs



**Sub Work - 1****Sub Head - IV : Domestic Water Supply - Distribution system**

| S. No. | Description                                                                                                                    | Amount                                      |
|--------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 1.     | Providing, laying, jointing and testing pipe lines including Fitting, valves, cost of excavation etc. complete in all respects |                                             |
|        | - GI Pipe 20 mm, 1780 M @ Rs. 250 <del>300</del>                                                                               | <del>445000</del> 534000                    |
|        | - GI Pipe 40 mm, 360 M @ Rs. 400 <del>550</del>                                                                                | <del>144000</del> 178000                    |
|        | - GI Pipe 50 mm, 1990 M @ Rs. 450 <del>750</del>                                                                               | <del>895000</del> 1492500                   |
|        | - GI Pipe 150 mm, 2671 M @ Rs. 1650 <del>1575</del> 1500                                                                       | <del>4407150</del> 4006500<br>42.07 Lacs    |
| 2.     | Provision for carriage of materials and unforeseen items                                                                       | 100000                                      |
| 3.     | Providing and fixing valve <sup>Sluice</sup> including cost of brick masonry chamber complete in all respects                  |                                             |
|        | - 150 mm dia 2 No. @ Rs. 10000/- each                                                                                          | <del>30000</del> 0.60 Lacs<br>36000         |
| 4.     | Providing and fixing valve <sup>Scour valve</sup> complete in all respects (L.S)                                               | 0.50 Lacs                                   |
|        | - 20 mm dia 4 No. @ Rs. 2500/- each                                                                                            | 10000                                       |
|        | - 50 mm dia 2 No. @ Rs. 5000/- each                                                                                            | 10000                                       |
|        | - 40 mm dia 3 No. @ Rs. 4000/- each                                                                                            | 12000                                       |
| 5.     | Providing and fixing Indicating plate - 174 No. @ Rs. 1000/- each                                                              | <del>174000</del> 0.04 Lacs                 |
| 6.     | Provision for cutting of road and making good to its m                                                                         | <del>12000</del> 1.00 Lacs                  |
|        | <b>Total</b> original condition (L.S)                                                                                          | <del>6227150</del> 45.21 Lacs<br>641000     |
|        | Add 3% contingencies & PH charges                                                                                              | <del>186815</del> 1.36 Lacs                 |
|        | <b>Total</b> → 6603330/-                                                                                                       | <del>192330</del>                           |
|        | Add 49% Dept. Charges, Price Escalation Unforeseen, charge                                                                     | <del>8051304</del> 46.57 Lacs<br>22.82 Lacs |
|        | <b>Total</b>                                                                                                                   | <del>9465269</del> 69.39 Lacs<br>9838962    |

SAY ~~97.0~~ Lakh 78.40 Lacs

(C.O. to abstract of cost of Sub-work No. I)

S. Singh

**Sub Work – 1****Sub Head – III : Rising Main from HUDA**

| S. No. | Description                                                                                                                                                                                                                     | Amount                                                             |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1.     | Providing, laying, jointing & testing pipe lines including cost excavation etc. complete in all respects - 100 mm dia. DI K7. Pipes 285 m @ 4150/- <sup>of</sup> <sub>105</sub> <sub>1015</sub> <sub>1200</sub> <sub>1575</sub> | <del>4182750</del><br><del>342000</del><br>15.99 Lacs              |
| 2.     | Providing, laying, jointing & testing pipe lines including cost excavation etc. complete in all respects - 80 mm dia. DI K7. Pipes 730 m @ 3800/- <sub>1000</sub>                                                               | <del>2774000</del><br><del>1300000</del>                           |
| 3.     | Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respects<br>100 mm i/d 1 No. @ Rs. 8000/- <sub>150</sub> <sub>15000</sub> <sub>1000</sub>                              | <del>8000</del><br><del>10000</del><br>0.15 Lacs                   |
| 4.     | Providing and fixing sluice valve including cost of surface box and masonry chamber etc. complete in all respects<br>80 mm i/d 2 No. @ Rs. 6000/- <sub>7000</sub>                                                               | <del>12000</del><br><del>14000</del>                               |
| 5.     | Providing and fixing indicating plates for sluice valve<br>- 3 No. @ Rs. 1000/- each                                                                                                                                            | <del>3000</del><br>1000/-                                          |
| 6.     | Provision for carriage for materials and other unforeseen items                                                                                                                                                                 | <del>100000</del><br>0.25 Lacs                                     |
| 7.     | Provision for making connection with HUDA Pipe Master Line                                                                                                                                                                      | <del>600000</del><br><del>250000</del><br>1.00 Lacs                |
| 8.     | Provision for cutting the road and making good the same                                                                                                                                                                         | <del>600000</del><br><del>250000</del>                             |
|        | <b>Total</b>                                                                                                                                                                                                                    | <del>5279750</del><br>Rs. 19.90 Lacs <sub>1699000</sub>            |
|        | Add 3% contingencies & PH charges                                                                                                                                                                                               | <del>158393</del><br>0.60 Lacs <sub>5097000</sub>                  |
|        | <b>Total</b>                                                                                                                                                                                                                    | <del>5438143</del><br>6796000                                      |
|        | Add 49% Dept. Charges, Price Escalation Unforeseen, charge                                                                                                                                                                      | <del>2587078</del><br>20.51 Lacs <sub>100465</sub>                 |
|        | <b>Total</b>                                                                                                                                                                                                                    | <del>8025221</del><br>10.04 Lacs <sub>30.54 Lacs</sub><br>10126040 |

SAY ~~80~~ Lakh

(C.O. to abstract of cost of Sub-work No.I)

**Sub Work – 1****Sub Head – V : Flushing Water Supply - Distribution system**

| S. No. | Description                                                                                                                    | Amount                            |
|--------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 1.     | Providing, laying, jointing and testing pipe lines including Fitting, valves, cost of excavation etc. complete in all respects |                                   |
|        | - GI Pipe 20 mm, 1780 M @ Rs. <del>250</del> 300                                                                               | <del>445000</del> 534000          |
|        | - GI Pipe 32 mm, 340 M @ Rs. <del>350</del> 450                                                                                | <del>119000</del> 153000          |
|        | - GI Pipe 40 mm, 2090 M @ Rs. <del>400</del> 550                                                                               | <del>836000</del> 1149500         |
|        | <del>GI</del> Pipe 100 mm, 2670 M @ Rs. <del>1550</del> 1250/-                                                                 | <del>4138500</del> 33.38 Lacs     |
| 2.     | Provision for carriage of materials and unforeseen items                                                                       | 100000                            |
| 3.     | Providing and fixing <sup>sluice</sup> valve <i>complete in all respect with cost of brick masonry.</i>                        | 0                                 |
|        | - 100 mm dia 3 No. @ Rs. 10000/- each                                                                                          | 30000<br>0.36 Lacs                |
| 4.     | Providing and fixing valve                                                                                                     | 0                                 |
|        | - 40 mm dia 5 No. @ Rs. 4000/- each                                                                                            | 20000                             |
|        | - 32 mm dia 2 No. @ Rs. 3000/- each                                                                                            | 6000                              |
|        | - 20 mm dia 2 No. @ Rs. 2500/- each                                                                                            | 5000                              |
| 5.     | Providing and fixing Indicating plate - <del>174</del> 15 No. @ Rs. 1000/- each                                                | <del>174000</del> 15000           |
|        | <b>Total</b>                                                                                                                   | <del>5873500</del> Rs. 34.89 Lacs |
|        | Add 3% contingencies & P.H. charges                                                                                            | <del>176205</del> 1.05 Lacs       |
|        | <b>Total</b>                                                                                                                   | <del>6049705</del> 35.94 Lacs     |
|        | Add 49% Dept. Charges, Price Escalation Unforeseen, charge                                                                     | <del>2878015</del> 17.60 Lacs     |
|        | <b>Total</b>                                                                                                                   | <del>8927720</del> 53.54 Lacs     |

**SAY 53 Lakh**

(C.O. to abstract of cost of Sub-work No. I)

Says - 80.06

**Sub Work - 1****Sub Head - VI Fire <sup>Ring</sup> Rising Main**

| S. No. | Description                                                                                                                                          | Amount                                   |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1.     | Providing, Laying, jointing and testing M. S. pipes for fire rising main including cost of fittings, valves, connection etc. complete in all respect |                                          |
|        | a) 80 mm MS 300 m @ Rs. <sup>1000</sup> <del>600</del> /m                                                                                            | <del>180000</del>                        |
|        | b) 150 mm MS 2655 m @ Rs. <sup>1575</sup> <del>1800</del> /m                                                                                         | <del>4779000</del>                       |
| 2.     | Providing and fixing fire Hydrant with accessories 60 No. @ Rs. <sup>10000</sup> <del>2000</del>                                                     | <del>420000</del>                        |
| 3.     | Providing for carriage of material                                                                                                                   | <del>150000</del>                        |
| 4.     | Providing and fixing Indicating plate - 60 No. @ Rs. 1000/- each                                                                                     | <del>60000</del>                         |
|        | <b>Total</b>                                                                                                                                         | <del>5529000</del> <sup>51.92 Lacs</sup> |
|        | Add 3% contingencies & PH charges                                                                                                                    | <del>167670</del> <sup>1.56 Lacs</sup>   |
|        | <b>Total</b>                                                                                                                                         | <del>5696670</del> <sup>53.48 Lacs</sup> |
|        | Add 49% Dept. Charges, Price Escalation Unforeseen, charge                                                                                           | <del>2738610</del> <sup>26.20 Lacs</sup> |
|        | <b>Total</b>                                                                                                                                         | <del>8435280</del> <sup>79.68 Lacs</sup> |

SAY 85 Lakh

(C.O. to abstract of cost of Sub-work No. I)

Sub Work – 1Sub Head – VII : Irrigation

| S. No. | Description                                                                                                                                | Amount                                                 |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1.     | Providing, laying, jointing and testing PVC/HDPE pipeline conforming to IS 4985 including cost of excavation etc. complete in all respect. |                                                        |
|        | a) <del>80 mm dia 2670 M @ Rs. 900/M</del> <i>connected to flushing line</i>                                                               | <del>2403000</del>                                     |
|        | b) 20 mm dia 150 M @ Rs. <del>150/M</del>                                                                                                  | 22500<br>0.38 Lacs                                     |
| 2.     | Providing and fixing 20 mm dia, irrigation hydrant valve complete in all respect. 60 No. @ Rs. <del>1000/</del> each<br>3000               | <del>60000</del><br><del>180000</del><br>2.10 Lacs     |
| 3.     | Provision for carriage of Material and other as foreseen items                                                                             | <del>100000</del><br>0.10 Lacs                         |
|        | <b>Total</b>                                                                                                                               | <del>Rs. 2.58 Lacs</del> 2585500<br>2705500            |
|        | Add 3% contingencies & PH charges                                                                                                          | <del>Rs. 0.07 Lacs</del> 77565                         |
|        | <i>Total</i>                                                                                                                               | <del>Rs. 2.65 Lacs</del> 2786665                       |
|        | Add 49% Dept. Charges, Price Escalation Unforeseen, charge<br><i>Admin. charges.</i>                                                       | <del>1266895</del><br><del>Rs. 1.30 Lacs</del> 1365466 |
|        | <b>Total</b>                                                                                                                               | <del>3929960</del><br>4152131                          |

SAY ~~39~~ Lakh

(C.O. to abstract of cost of Sub-work No. I)

S. Singh

C.E. No. 1187  
Dated 27/11/14  
Annexure-

SUB:- Approval of revised service plan /estimate for setting up of Group Housing Colony in an area of 36.515 acres (License No. 200 & 155 of 2008) Sec- 72, Gurgaon). M/S. Gurgaon Infratech Pvt.Ltd. M/S. Landscape Structures Pvt.Ltd. & M/S. Ardent Properties Pvt.Ltd.

**Technical note and comments:-**

1. All detailed working drawings would have to be prepared by the colonizer for Integrating the internal services proposals with the master proposals of town.
2. The correctness of the levels will be the sole responsibility of the colonizer for the integration of internal proposals, with the master proposals, of town and will be got confirmed before execution.
3. The material to be used shall the same specifications as are being adopted by HUDA and further shall also confirm to such directions, as issued by Chief Engineer, HUDA from time to time.
4. The work shall be carried out according to Haryana PWD specification or such specifications as are being followed by HUDA. Further it shall also confirm to such other directions, as are issued by Chief Engineer, HUDA from time to time.
5. The colonizer will be fully responsible to meet the demand of water supply and allied services till such time these are made available by State Government HUDA. All link connections with the State Government/ HUDA system and services will be done by the colonizer. If necessary extra tube-wells shall also be installed to meet extra demand of water beyond the provision according to EDC deposited.
6. Structural design & drawings of all the structures, such as pump chamber, boosting chamber, RCC OHSR underground tanks quarters, manholes chamber, sections of RCC pipes sewer and SW pipes, sewer, ventilating shafts for sewerage and Masonry Ventilation Chamber for Chamber for storm water drainage, temporary disposal/ arrangement etc. will be as per relevant I.S codes and PWD specifications, colonizer himself will be responsible for structural stability of all structures.
7. Potability of water will be checked and confirmed and the tube-wells will be put into operation after getting chemical analysis of water tested.

SF2

27/11/14

EFW

23/11/14

C.E. No. 1185

Dated:- 27/1/14

8. Only C.I./D.I pipes will be used in water supply and flushing system. UPVC/HDPE pipe for irrigation purposes.
9. A minimum 100 i/d C.I./D.I. 200mm i/d SW and 400mm id RCC NP-3 pipes will be used for water supply, sewerage and storm water drainage respectively.
10. Standard X-section for S.W. pipes sewer, RCC pipes sewer etc. will be followed as are being adopted in Haryana Public Health Engineering Deptt. or HUDA.
11. The X-section, width of roads, will be followed as approved by the Chief Town Planner, Haryana, Chandigarh. The kerbs and channels will also be provided as per approved X-section and specifications.
12. The specifications for various roads will be followed as per IRC/MORTH specifications.
13. The wiring system of street lighting and specifications of street lighting fixture will be as per relevant standards.
14. This shall confirm to such other conditions as are incorporated in the approved estimate and the letter of approval.

For  
Executive Engineer (W),  
Chief Administrator, HUDA,  
Panchkula

27/1/14