

**Undertaking to Pay cost of raising and maintenance of  
Compensatory Afforestation**

We hereby undertake to pay the cost of raising and maintenance of compensatory afforestation (including raising and maintenance of plantations, aided natural regeneration, SMC works etc.,) over degrade forest land identified by the forest department, as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

**Division-wise forest land for which permission is required:**

| S. No             | Division Name | RF Name            | Area in ha      |
|-------------------|---------------|--------------------|-----------------|
| <b>Permission</b> |               |                    |                 |
| 1                 | Kagaznagar    | Vempally (84)      | 44.1256         |
|                   |               | Achelly (91,92)    | 68.9095         |
|                   |               | Garlapet Ext I     | 37.1789         |
|                   |               | Jakkapur (85)      | 18.2160         |
| 2                 | Asifabad      | Tandur Ext (306/1) | 14.9638         |
| 3                 | Bellampally   | Tandur (337/2)     | 6.2870          |
| <b>Total</b>      |               |                    | <b>189.6808</b> |



Chief Engineer,  
Construction-VI,  
South Central Railway, Secunderabad.



Deputy Chief Engineer,  
Construction-II,  
South Central Railway, Kazipet

**Undertaking for unqualified commitment from project authority**  
**to Pay cost of extraction of tree growth**

We hereby undertake to pay the cost of exploitation of tree growth of the forest land proposed for diversion under the project as and when demanded by the forest authorities and also undertake to pay the additional amount if any due to escalation or any other charges at a later date as per the demand raised by the forest authorities in respect of in respect "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

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| 2                 | Asifabad      | Tandur Ext (306/1) | 14.9638         |
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### Undertaking to Pay Net Present Value

We hereby undertake to pay Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt and MoEF in respect of "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

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| 2                 | Asifabad      | Tandur Ext (306/1) | 14.9638         |
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**Undertaking to pay Addl. Cost of Net Present value (NPV)**

We hereby undertake to pay Addl. Cost of Net Present Value (NPV) as per guidelines under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 in accordance with the orders of the Hon'ble Supreme Court of India/ State Govt. and MoEF in respect of "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations". We also hereby undertake to pay differential additional NPV amount, if any, due to escalation or revision of NPV, as and when demanded by the Forest Department.

**Division-wise forest land for which permission is required:**

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| 1                 | Kagaznagar    | Vempally (84)      | 44.1256         |
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|                   |               | Garlapet Ext I     | 37.1789         |
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| 2                 | Asifabad      | Tandur Ext (306/1) | 14.9638         |
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### **AREA MINIMUM CERTIFICATE**

Certified that for the project "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations", the area shown in the below table is the barest minimum.

Also certified that any other forest land has not been taken for this project. We also hereby undertake that no taking of fresh forest land shall be carried out during execution of the Project.

#### **Division-wise forest land for which permission is required:**

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### **NON VIOLATION CERTIFICATE**

Certified that no work has been carried out in violation of F(C)Act,1980 and W(P)Act,1972 in respect of "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

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### **CERTIFICATE**

It is certified that, all the possibilities to avoid forest land for the project have been explored and it is found that no alternative suitable non-forestland is technically feasible and viable to that part of the work for which diversion has been "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

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## **UNDERTAKING**

The user agency is hereby undertake that no labour camp shall be established on the forest lands during the construction of "Permission in an area of 189.6808 ha forest land in Kagaznagar, Asifabad & Bellampally divisions for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations".

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| <b>Total</b>      |               |                    | <b>189.6808</b> |



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### **DETAILED NOTE ON THE PROJECT**

This Proposed third line with electrification between Kaizpet & Balharshah stations connects the North-South corridor of the Indian Railway network which forms an important link for coal mining areas and Industrial areas of Telangana and Maharashtra states. The important cities and tourist destinations like New Delhi, Nagpur, Warangal, Hyderabad, Vijayawada and Chennai etc., are connected through this Railway line. With all-round growth and rapid increase in both the passenger and goods traffic, this route has been necessitated for the proposition of new third line which will cater to the present and future demands of the passenger and goods traffic with increased speed and punctuality.

The section between Ramagundam and Mancheria has been completed and Forest clearances for tripling works in Karimnagar East (2.8279 ha) and Mancheria (1.482 ha) forest divisions have been obtained during 2013 and 2016 respectively.

The proposed third line between Makudi and Rechni Road Railway stations is a part of the Balharshah to Kazipet tripling project. The existing alignment of Railway double line track between Makudi – Rechni Road Railway stations passes through forest land of Kagaznagar, Asifabad and Bellampally forest Divisions under compartment nos. Vempally (84), Achelly (91, 92), Garlapet Ext I, Jakkapur (85), Tandur Ext (306/1), Tandur (337/2) in an area of 189.6808 ha and requires Permission for execution of various engineering works for laying of new third BG Railway line along the existing tracks within the railway boundary between Makudi and Rechni road railway stations is required under the Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1970.

This proposed line has been aligned along the existing railway tracks within the available railway land boundaries, as far as possible, to minimize the forest land diversion/acquisition. There is no alternate route to this alignment hence the new third line is proposed parallel to the existing railway tracks passing through this forest corridor, which is under possession of Railways.

  
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**MAKE AND MODEL OF THE ETS & DGPS/GNSS INSTRUMENTS**

It is certified that the ETS & DGPS/GNSS Survey was carried out through an outsourcing agency. The Make and Model of the ETS & DGPS/GNSS instrument is Leica & Trimble. Period of Survey was March, 2018. The ETS & DGPS/GNSS data was verified and authenticated by the Forest Department vide PCCF & HOFF, Telangana Lr.No.Rc.No.5477/2018/FCA-3/PS dt.27.06.18.

  
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LAND AREA AVAILABLE WITH RAILWAY PRIOR TO 1980 WITH SINGLE BG LINE

| Chainage       | Rail Level | Ground Level | Difference | Distance | Formation Width | Total Width of Bank/Cutting | Land width available with Railway | Area      | Remarks |
|----------------|------------|--------------|------------|----------|-----------------|-----------------------------|-----------------------------------|-----------|---------|
| 1) MKDI - SRUR |            |              |            |          |                 |                             |                                   |           |         |
| 177700         | 192.380    | 194.862      | -3.162     | 100      | 9.20            | 21.85                       | 81.85                             | 8409.50   | Cutting |
| 177800         | 192.771    | 183.717      | 8.374      | 100      | 6.85            | 46.34                       | 86.34                             | 8777.50   | Bank    |
| 177900         | 193.161    | 183.392      | 9.089      | 100      | 6.85            | 49.21                       | 89.21                             | 8256.00   | Bank    |
| 178000         | 193.552    | 187.107      | 5.765      | 100      | 6.85            | 35.91                       | 75.91                             | 7535.00   | Bank    |
| 178100         | 193.943    | 187.777      | 5.486      | 100      | 6.85            | 34.79                       | 74.79                             | 7549.00   | Bank    |
| 178200         | 194.333    | 187.817      | 5.836      | 100      | 6.85            | 36.19                       | 76.19                             | 6944.50   | Bank    |
| 178300         | 194.724    | 190.082      | 3.962      | 100      | 6.85            | 22.70                       | 62.70                             | 5483.50   | Bank    |
| 178400         | 194.353    | 193.642      | 0.031      | 100      | 6.85            | 6.97                        | 46.97                             | 5769.50   | Bank    |
| 178500         | 193.728    | 197.852      | -4.804     | 100      | 9.20            | 28.42                       | 68.42                             | 6492.00   | Cutting |
| 178600         | 193.103    | 197.977      | -5.554     | 100      | 9.20            | 31.42                       | 61.42                             | 6258.00   | Cutting |
| 178700         | 192.478    | 197.932      | -6.134     | 100      | 9.20            | 33.74                       | 63.74                             | 6382.00   | Cutting |
| 178800         | 191.853    | 197.347      | -6.174     | 100      | 9.20            | 33.90                       | 63.90                             | 6119.00   | Cutting |
| 178900         | 191.228    | 195.367      | -4.819     | 100      | 9.20            | 28.48                       | 58.48                             | 5580.00   | Cutting |
| 179000         | 190.561    | 193.362      | -3.481     | 100      | 9.20            | 23.12                       | 53.12                             | 5212.00   | Cutting |
| 179100         | 189.894    | 185.647      | 3.567      | 100      | 6.85            | 21.12                       | 51.12                             | 6105.50   | Bank    |
| 179200         | 189.228    | 181.512      | 7.036      | 100      | 6.85            | 40.99                       | 70.99                             | 7590.00   | Bank    |
| 179300         | 188.561    | 178.392      | 9.489      | 100      | 6.85            | 50.81                       | 80.81                             | 7918.50   | Bank    |
| 179400         | 187.894    | 178.537      | 8.677      | 100      | 6.85            | 47.56                       | 77.56                             | 8802.50   | Bank    |
| 179500         | 187.228    | 177.637      | 8.911      | 100      | 6.85            | 48.49                       | 98.49                             | 9862.00   | Bank    |
| 179600         | 186.561    | 176.907      | 8.974      | 100      | 6.85            | 48.75                       | 98.75                             | 9565.50   | Bank    |
| 179700         | 185.894    | 175.287      | 9.927      | 100      | 6.85            | 52.56                       | 92.56                             | 9320.00   | Bank    |
| 179800         | 185.234    | 174.307      | 10.247     | 100      | 6.85            | 53.84                       | 93.84                             | 9436.50   | Bank    |
| 179900         | 184.593    | 173.402      | 10.511     | 100      | 6.85            | 54.89                       | 94.89                             | 9106.00   | Bank    |
| 180000         | 183.952    | 172.177      | 11.095     | 100      | 6.85            | 57.23                       | 87.23                             | 8822.50   | Bank    |
| 180100         | 183.499    | 171.227      | 11.592     | 100      | 6.85            | 59.22                       | 89.22                             | 11050.50  | Bank    |
| 180200         | 183.401    | 170.487      | 12.234     | 100      | 6.85            | 61.79                       | 131.79                            | 12867.00  | Bank    |
| 180300         | 183.401    | 172.047      | 10.674     | 100      | 6.85            | 55.55                       | 125.55                            | 12762.00  | Bank    |
| 180400         | 183.401    | 174.762      | 7.959      | 100      | 6.85            | 44.69                       | 129.69                            | 12550.00  | Bank    |
| 180500         | 183.401    | 176.856      | 5.866      | 100      | 6.85            | 36.31                       | 121.31                            | 11942.00  | Bank    |
| 180600         | 183.568    | 177.717      | 5.171      | 100      | 6.85            | 27.53                       | 117.53                            | 11097.50  | Bank    |
| 180700         | 184.235    | 181.662      | 1.893      | 100      | 6.85            | 14.42                       | 104.42                            | 10175.50  | Bank    |
| 180800         | 184.901    | 183.662      | 0.559      | 100      | 6.85            | 9.09                        | 99.09                             | 9435.50   | Bank    |
| 180900         | 185.568    | 187.492      | -2.604     | 100      | 9.20            | 19.62                       | 89.62                             | 9070.50   | Cutting |
| 181000         | 186.235    | 188.702      | -3.147     | 100      | 9.20            | 21.79                       | 91.79                             | 9265.50   | Cutting |
| 181100         | 186.901    | 189.802      | -3.581     | 100      | 9.20            | 23.52                       | 93.52                             | 9346.00   | Cutting |
| 181200         | 187.568    | 190.437      | -3.549     | 100      | 9.20            | 23.40                       | 93.40                             | 9733.50   | Cutting |
| 181300         | 188.235    | 193.072      | -5.517     | 100      | 9.20            | 31.27                       | 101.27                            | 10146.50  | Cutting |
| 181400         | 188.901    | 193.837      | -5.616     | 100      | 9.20            | 31.66                       | 101.66                            | 9864.00   | Cutting |
| 181500         | 189.568    | 192.992      | -4.104     | 100      | 9.20            | 25.62                       | 95.62                             | 9525.00   | Cutting |
| 181600         | 190.235    | 194.062      | -4.507     | 100      | 6.85            | 24.88                       | 94.88                             | 9870.00   | Cutting |
| 181700         | 190.901    | 196.052      | -5.831     | 100      | 9.20            | 32.52                       | 102.52                            | 10356.00  | Cutting |
| 181800         | 191.568    | 197.237      | -6.349     | 100      | 9.20            | 34.60                       | 104.60                            | 10595.50  | Cutting |
| 181900         | 192.235    | 198.582      | -7.027     | 100      | 9.20            | 37.31                       | 107.31                            | 10518.50  | Cutting |
| 182000         | 192.901    | 198.187      | -5.966     | 100      | 9.20            | 33.06                       | 103.06                            | 10406.50  | Cutting |
| 182100         | 193.235    | 199.022      | -6.467     | 100      | 9.20            | 35.07                       | 105.07                            | 10023.00  | Cutting |
| 182200         | 193.235    | 196.602      | -4.047     | 100      | 9.20            | 25.39                       | 95.39                             | 9340.00   | Cutting |
| 182300         | 193.235    | 195.607      | -3.052     | 100      | 9.20            | 21.41                       | 91.41                             | 8605.50   | Cutting |
| 182400         | 193.235    | 191.592      | 0.963      | 100      | 6.85            | 10.70                       | 80.70                             | 8694.00   | Bank    |
| 182500         | 193.235    | 188.472      | 4.083      | 100      | 6.85            | 23.18                       | 93.18                             | 9222.00   | Bank    |
| 182600         | 193.235    | 188.952      | 3.603      | 100      | 6.85            | 21.26                       | 91.26                             | 8820.00   | Bank    |
| 182700         | 193.235    | 187.982      | 4.573      | 100      | 6.85            | 25.14                       | 85.14                             | 7623.50   | Bank    |
| 182800         | 193.632    | 190.332      | 2.620      | 100      | 6.85            | 17.33                       | 67.33                             | 6377.00   | Bank    |
| 182900         | 194.032    | 192.512      | 0.840      | 100      | 6.85            | 10.21                       | 60.21                             | 6255.00   | Bank    |
| 183000         | 194.432    | 191.742      | 2.010      | 100      | 6.85            | 14.89                       | 64.89                             | 6596.00   | Bank    |
| 183100         | 193.737    | 191.762      | 1.295      | 100      | 6.85            | 12.03                       | 67.03                             | 6750.00   | Bank    |
| 183200         | 193.043    | 190.832      | 1.531      | 100      | 6.85            | 12.97                       | 67.97                             | 6787.00   | Bank    |
| 183300         | 192.293    | 190.132      | 1.481      | 100      | 6.85            | 12.77                       | 67.77                             | 6670.50   | Bank    |
| 183400         | 191.293    | 189.665      | 0.948      | 100      | 6.85            | 10.64                       | 65.64                             | 6281.00   | Bank    |
| 183500         | 190.293    | 188.830      | 0.783      | 50       | 6.85            | 9.98                        | 59.98                             | 3405.75   | Bank    |
| 183550         | 190.130    | 187.100      | 2.350      | -        | 6.85            | 16.25                       | 76.25                             |           |         |
|                |            |              |            |          |                 |                             |                                   | 503324.25 | Sqm     |
|                |            |              |            |          |                 |                             |                                   | 50.3324   | Ha      |

SSE/W/C/SKZR

SSE/DRG/C/KZI



| Chainage     | Rail Level | Ground Level | Difference | Distance | Formation Width | Total Width of Bank/Cutting | Land width available with Railway | Area     | Remarks              |
|--------------|------------|--------------|------------|----------|-----------------|-----------------------------|-----------------------------------|----------|----------------------|
| 2) SRUR-SKZR |            |              |            |          |                 |                             |                                   |          |                      |
| 187700       | 194.597    | 191.597      | 2.320      | 100      | 6.85            | 16.13                       | 46.13                             | 4656.00  | Bank                 |
| 187800       | 196.002    | 192.787      | 2.535      | 100      | 6.85            | 16.99                       | 46.99                             | 5144.00  | Bank                 |
| 187900       | 196.627    | 191.187      | 4.760      | 100      | 6.85            | 25.89                       | 55.89                             | 6259.50  | Bank                 |
| 188000       | 197.229    | 188.437      | 8.112      | 100      | 6.85            | 39.30                       | 69.30                             | 6820.50  | Bank                 |
| 188100       | 197.807    | 189.562      | 7.565      | 100      | 6.85            | 37.11                       | 67.11                             | 6472.50  | Bank                 |
| 188200       | 198.385    | 191.332      | 6.373      | 100      | 6.85            | 32.34                       | 62.34                             | 6164.50  | Bank                 |
| 188300       | 198.963    | 192.257      | 6.026      | 100      | 6.85            | 30.95                       | 60.95                             | 5179.00  | Bank                 |
| 188400       | 199.541    | 196.167      | 2.694      | 100      | 6.85            | 17.63                       | 42.63                             | 4235.50  | Bank                 |
| 188500       | 200.119    | 196.882      | 2.557      | 100      | 6.85            | 17.08                       | 42.08                             | 4012.50  | Bank                 |
| 188600       | 200.697    | 198.437      | 1.580      | 100      | 6.85            | 13.17                       | 38.17                             | 3824.50  | Bank                 |
| 188700       | 201.275    | 198.977      | 1.618      | 100      | 6.85            | 13.32                       | 38.32                             | 3587.50  | Bank                 |
| 188800       | 201.853    | 199.527      | 1.646      | 100      | 6.85            | 13.43                       | 33.43                             | 3516.00  | Bank                 |
| 188900       | 202.431    | 199.242      | 2.509      | 100      | 6.85            | 16.89                       | 36.89                             | 3898.00  | Bank                 |
| 189000       | 203.033    | 198.797      | 3.556      | 100      | 6.85            | 21.07                       | 41.07                             | 4100.00  | Bank                 |
| 189100       | 203.658    | 199.457      | 3.521      | 100      | 6.85            | 20.93                       | 40.93                             | 4516.00  | Bank                 |
| 189200       | 204.283    | 197.967      | 5.636      | 100      | 6.85            | 29.39                       | 49.39                             | 5211.00  | Bank                 |
| 189300       | 204.908    | 197.232      | 6.996      | 100      | 6.85            | 34.83                       | 54.83                             | 5572.00  | Bank                 |
| 189400       | 205.513    | 197.392      | 7.441      | 100      | 6.85            | 36.61                       | 56.61                             | 5539.00  | Bank                 |
| 189500       | 206.097    | 198.587      | 6.830      | 100      | 6.85            | 34.17                       | 54.17                             | 5606.00  | Bank                 |
| 189600       | 206.682    | 198.227      | 7.775      | 200      | 6.85            | 37.95                       | 57.95                             | 11106.00 | Bank                 |
| 189800       | 207.852    | 200.607      | 6.565      | 100      | 6.85            | 33.11                       | 53.11                             | 5109.00  | Bank                 |
| 189900       | 208.437    | 202.202      | 5.555      | 100      | 6.85            | 29.07                       | 49.07                             | 4908.00  | Bank                 |
| 190000       | 209.083    | 202.842      | 5.561      | 100      | 6.85            | 29.09                       | 49.09                             | 5099.50  | Bank                 |
| 190100       | 209.749    | 202.557      | 6.512      | 100      | 6.85            | 32.90                       | 52.90                             | 5186.50  | Bank                 |
| 190200       | 210.416    | 203.742      | 5.994      | 100      | 6.85            | 30.83                       | 50.83                             | 4847.00  | Bank                 |
| 190300       | 211.083    | 205.587      | 4.816      | 100      | 6.85            | 26.11                       | 46.11                             | 4064.50  | Bank                 |
| 190400       | 211.749    | 208.987      | 2.082      | 100      | 6.85            | 15.18                       | 35.18                             | 3144.50  | Bank                 |
| 190500       | 212.416    | 211.522      | 0.214      | 100      | 6.85            | 7.71                        | 27.71                             | 3205.50  | Bank                 |
| 190600       | 213.083    | 214.202      | -1.799     | 100      | 9.20            | 16.40                       | 36.40                             | 3935.50  | Cutting              |
| 190700       | 213.749    | 216.347      | -3.278     | 100      | 9.20            | 22.31                       | 42.31                             | 4207.50  | Cutting              |
| 190800       | 214.416    | 216.897      | -3.161     | 100      | 9.20            | 21.84                       | 41.84                             | 4483.00  | Cutting              |
| 190900       | 215.083    | 219.057      | -4.654     | 100      | 9.20            | 27.82                       | 47.82                             | 4772.50  | Cutting              |
| 191000       | 215.749    | 219.677      | -4.608     | 100      | 9.20            | 27.63                       | 47.63                             | 4632.50  | Cutting              |
| 191100       | 216.416    | 219.692      | -3.956     | 100      | 9.20            | 25.02                       | 45.02                             | 4620.00  | Cutting              |
| 191200       | 217.083    | 220.947      | -4.544     | 100      | 9.20            | 27.38                       | 47.38                             | 4945.50  | Cutting              |
| 191300       | 217.749    | 222.652      | -5.583     | 100      | 9.20            | 31.53                       | 51.53                             | 4774.50  | Cutting              |
| 191400       | 218.416    | 221.425      | -3.689     | 100      | 9.20            | 23.96                       | 43.96                             | 4473.00  | Cutting              |
| 191500       | 219.083    | 222.478      | -4.075     | 100      | 9.20            | 25.50                       | 45.50                             | 4550.00  | Cutting              |
| 191506       |            |              |            |          |                 |                             |                                   |          | Level Crossing No:80 |
| 191600       | 219.749    | 220.428      | -1.359     | 100      | 9.20            | 14.63                       | 64.63                             | 6203.00  | Cutting              |
| 191700       | 220.416    | 219.090      | 0.646      | 100      | 6.85            | 9.43                        | 59.43                             | 6214.00  | Bank                 |
| 191800       | 221.013    | 220.550      | -0.217     | 100      | 9.20            | 9.85                        | 64.85                             | 6887.00  | Cutting              |
| 191900       | 221.432    | 223.650      | -2.898     | 100      | 9.20            | 17.89                       | 72.89                             | 7615.50  | Cutting              |
| 192000       | 221.664    | 226.058      | -5.074     | 100      | 9.20            | 24.42                       | 79.42                             | 8279.00  | Cutting              |
| 192100       | 221.802    | 228.443      | -7.321     | 100      | 9.20            | 31.16                       | 86.16                             | 9015.00  | Cutting              |
| 192200       | 221.660    | 230.958      | -9.978     | 100      | 9.20            | 39.14                       | 94.14                             | 9247.00  | Cutting              |
| 192300       | 221.517    | 229.703      | -8.866     | 100      | 9.20            | 35.80                       | 90.80                             | 8677.50  | Cutting              |
| 192400       | 221.374    | 226.878      | -6.184     | 100      | 9.20            | 27.75                       | 82.75                             | 7996.00  | Cutting              |
| 192500       | 221.231    | 224.873      | -4.322     | 100      | 9.20            | 22.17                       | 77.17                             | 7307.50  | Cutting              |
| 192600       | 221.088    | 222.003      | -1.595     | 100      | 9.20            | 13.98                       | 68.98                             | 6547.50  | Cutting              |
| 192700       | 220.457    | 218.498      | 1.279      | 100      | 6.85            | 11.97                       | 61.97                             | 6346.00  | Bank                 |
| 192800       | 219.663    | 216.958      | 2.025      | 100      | 6.85            | 14.95                       | 64.95                             | 6498.50  | Bank                 |
| 192900       | 218.870    | 216.148      | 2.042      | 100      | 6.85            | 15.02                       | 65.02                             | 6276.50  | Bank                 |
| 193000       | 218.076    | 217.833      | -0.437     | 100      | 9.20            | 10.51                       | 60.51                             | 6123.00  | Cutting              |
| 193100       | 217.283    | 217.518      | -0.915     | 100      | 9.20            | 11.95                       | 61.95                             | 6990.50  | Cutting              |
| 193200       | 216.584    | 216.858      | -0.954     | 100      | 25.00           | 27.86                       | 77.86                             | 7817.00  | VEM Yard             |
| 193300       | 215.917    | 216.398      | -1.161     | 100      | 25.00           | 28.48                       | 78.48                             | 7750.00  | VEM Yard             |
| 193400       | 215.251    | 215.078      | -0.507     | 100      | 25.00           | 26.52                       | 76.52                             | 8041.00  | VEM Yard             |
| 193500       | 214.334    | 211.328      | 2.326      | 100      | 25.00           | 34.30                       | 84.30                             | 8944.00  | VEM Yard             |
| 193600       | 213.584    | 208.008      | 4.896      | 100      | 25.00           | 44.58                       | 94.58                             | 10259.00 | VEM Yard             |
| 193700       | 212.917    | 204.838      | 7.399      | 100      | 25.00           | 60.60                       | 110.60                            | 10365.50 | VEM Yard             |
| 193800       | 212.251    | 206.143      | 5.428      | 100      | 25.00           | 46.71                       | 96.71                             | 9401.00  | VEM Yard             |
| 193900       | 211.614    | 206.855      | 4.079      | 100      | 25.00           | 41.31                       | 91.31                             | 9103.50  | VEM Yard             |
| 194000       | 211.084    | 206.463      | 3.941      | 100      | 25.00           | 40.76                       | 90.76                             | 8317.50  | VEM Yard             |
| 194100       | 210.751    | 209.923      | 0.148      | 100      | 25.00           | 25.59                       | 75.59                             | 7576.00  | VEM Yard             |
| 194200       | 210.751    | 209.838      | 0.233      | 100      | 25.00           | 25.93                       | 75.93                             | 8045.00  | VEM Yard             |

SSE/W/C/SKZR

SSE/DRG/C/KZI



| Chainage       | Rail Level | Ground Level | Difference | Distance | Formation Width | Total Width of Bank/Cutting | Land width available with Railway | Area      | Remarks  |
|----------------|------------|--------------|------------|----------|-----------------|-----------------------------|-----------------------------------|-----------|----------|
| 194300         | 210.751    | 207.578      | 2.493      | 100      | 25.00           | 34.97                       | 84.97                             | 8877.00   | VEM Yard |
| 194400         | 211.751    | 206.678      | 4.393      | 100      | 25.00           | 42.57                       | 92.57                             | 9021.00   | VEM Yard |
| 194500         | 212.751    | 208.858      | 3.213      | 100      | 25.00           | 37.85                       | 87.85                             | 8307.00   | VEM Yard |
| 194600         | 213.751    | 212.248      | 0.823      | 100      | 25.00           | 28.29                       | 78.29                             | 6914.50   | VEM Yard |
| 194700         | 214.751    | 214.338      | -0.267     | 100      | 9.20            | 10.00                       | 60.00                             | 6102.00   | Cutting  |
| 194800         | 215.251    | 215.518      | -0.947     | 100      | 9.20            | 12.04                       | 62.04                             | 6405.50   | Cutting  |
| 194900         | 215.251    | 216.859      | -2.289     | 100      | 9.20            | 16.07                       | 66.07                             | 6619.50   | Cutting  |
| 195000         | 215.251    | 216.943      | -2.372     | 100      | 9.20            | 16.32                       | 66.32                             | 6746.50   | Cutting  |
| 195100         | 214.656    | 217.113      | -3.137     | 100      | 9.20            | 18.61                       | 68.61                             | 6912.50   | Cutting  |
| 195200         | 214.060    | 216.859      | -3.478     | 100      | 9.20            | 19.64                       | 69.64                             | 6825.00   | Cutting  |
| 195300         | 213.465    | 215.338      | -2.553     | 100      | 9.20            | 16.86                       | 66.86                             | 6340.00   | Cutting  |
| 195400         | 212.870    | 212.438      | -0.248     | 100      | 9.20            | 9.94                        | 59.94                             | 6141.00   | Cutting  |
| 195500         | 212.275    | 210.088      | 1.507      | 100      | 6.85            | 12.88                       | 62.88                             | 6114.00   | Bank     |
| 195600         | 211.528    | 210.913      | -0.065     | 100      | 9.20            | 9.40                        | 59.40                             | 6139.50   | Cutting  |
| 195700         | 210.941    | 211.659      | -1.398     | 100      | 9.20            | 13.39                       | 63.39                             | 6342.50   | Cutting  |
| 195800         | 210.275    | 211.013      | -1.418     | 100      | 9.20            | 13.46                       | 63.46                             | 6188.00   | Cutting  |
| 195900         | 209.608    | 209.294      | -0.366     | 100      | 9.20            | 10.30                       | 60.30                             | 6002.00   | Cutting  |
| 196000         | 208.941    | 208.440      | -0.179     | 100      | 9.20            | 9.74                        | 59.74                             | 6072.00   | Cutting  |
| 196100         | 208.275    | 208.428      | -0.833     | 100      | 9.20            | 11.70                       | 61.70                             | 6307.00   | Cutting  |
| 196200         | 207.608    | 208.673      | -1.745     | 100      | 9.20            | 14.44                       | 64.44                             | 6570.50   | Cutting  |
| 196300         | 206.941    | 208.852      | -2.591     | 100      | 9.20            | 16.97                       | 66.97                             | 6682.50   | Cutting  |
| 196400         | 206.275    | 208.088      | -2.493     | 100      | 9.20            | 16.68                       | 66.68                             | 6565.00   | Cutting  |
| 196500         | 205.608    | 206.736      | -1.808     | 100      | 9.20            | 14.62                       | 64.62                             | 6580.50   | Cutting  |
| 196600         | 204.941    | 206.858      | -2.597     | 100      | 9.20            | 16.99                       | 66.99                             | 5972.50   | Cutting  |
| 196700         | 204.275    | 204.693      | -1.098     | -        | 6.85            | 2.46                        | 52.46                             |           |          |
|                |            |              |            |          |                 |                             |                                   | 558969.00 | Sqm      |
|                |            |              |            |          |                 |                             |                                   | 55.8969   | Ha       |
| 3) ASAF - RECH |            |              |            |          |                 |                             |                                   |           |          |
| 222000         | 242.368    | 243.568      | -1.880     | 100      | 9.20            | 16.72                       | 81.72                             | 8288.00   | Cutting  |
| 222100         | 243.333    | 245.113      | -2.460     | 100      | 9.20            | 19.04                       | 84.04                             | 8718.00   | Cutting  |
| 222200         | 244.398    | 246.498      | -2.780     | 100      | 9.20            | 20.32                       | 90.32                             | 9092.00   | Cutting  |
| 222300         | 245.393    | 247.793      | -3.080     | 100      | 9.20            | 21.52                       | 91.52                             | 9172.00   | Cutting  |
| 222400         | 246.093    | 248.593      | -3.180     | 100      | 9.20            | 21.92                       | 91.92                             | 9292.00   | Cutting  |
| 222500         | 246.983    | 249.983      | -3.680     | 100      | 9.20            | 23.92                       | 93.92                             | 9312.00   | Cutting  |
| 222600         | 247.353    | 249.953      | -3.280     | 100      | 9.20            | 22.32                       | 92.32                             | 8802.00   | Cutting  |
| 222700         | 247.988    | 248.438      | -1.130     | 100      | 9.20            | 13.72                       | 83.72                             | 7772.50   | Cutting  |
| 222800         | 248.498    | 246.598      | 1.220      | 100      | 6.85            | 11.73                       | 71.73                             | 7573.00   | Bank     |
| 222900         | 249.028    | 245.128      | 3.220      | 100      | 6.85            | 19.73                       | 79.73                             | 8113.00   | Bank     |
| 223000         | 249.543    | 244.943      | 3.920      | 100      | 6.85            | 22.53                       | 82.53                             | 8333.00   | Bank     |
| 223100         | 250.293    | 245.293      | 4.320      | 100      | 6.85            | 24.13                       | 84.13                             | 8202.50   | Bank     |
| 223200         | 251.243    | 253.243      | -2.680     | 100      | 9.20            | 19.92                       | 79.92                             | 8352.00   | Cutting  |
| 223300         | 252.053    | 255.853      | -4.480     | 100      | 9.20            | 27.12                       | 87.12                             | 9072.00   | Cutting  |
| 223400         | 252.793    | 258.393      | -6.280     | 100      | 9.20            | 34.32                       | 94.32                             | 9862.00   | Cutting  |
| 223500         | 253.163    | 257.163      | -4.680     | 100      | 9.20            | 27.92                       | 102.92                            | 10152.00  | Cutting  |
| 223600         | 253.293    | 254.093      | -1.480     | 100      | 9.20            | 15.12                       | 100.12                            | 9632.50   | Cutting  |
| 223700         | 252.813    | 250.713      | 1.420      | 100      | 6.85            | 12.53                       | 92.53                             | 8933.00   | Bank     |
| 223800         | 252.763    | 249.763      | 2.320      | 100      | 6.85            | 16.13                       | 86.13                             | 8193.00   | Bank     |
| 223900         | 252.783    | 249.383      | 2.720      | 100      | 6.85            | 17.73                       | 77.73                             | 7753.00   | Bank     |
| 224000         | 253.143    | 249.843      | 2.620      | 100      | 6.85            | 17.33                       | 77.33                             | 7633.00   | Bank     |
| 224100         | 253.983    | 251.183      | 2.120      | 100      | 6.85            | 15.33                       | 75.33                             | 7573.00   | Bank     |
| 224200         | 254.738    | 251.738      | 2.320      | 100      | 6.85            | 16.13                       | 76.13                             | 7373.00   | Bank     |
| 224300         | 255.688    | 253.888      | 1.120      | 100      | 6.85            | 11.33                       | 71.33                             | 7530.00   | Bank     |
| 224400         | 256.673    | 252.888      | 3.105      | 100      | 6.85            | 19.27                       | 79.27                             | 7310.00   | Bank     |
| 224500         | 257.603    | 254.403      | 2.520      | -        | 6.85            | 16.93                       | 66.93                             |           |          |
|                |            |              |            |          |                 |                             |                                   | 212038.50 | Sqm      |
|                |            |              |            |          |                 |                             |                                   | 21.2039   | Ha       |

|       |   |          |    |
|-------|---|----------|----|
| Total | = | 127.4332 | Ha |
|-------|---|----------|----|

SSE/W/C/SKZR

SSE/Drg/C/KZJ

AXEN/C/BPA

DY.CE/C-II/KZJ

कार्यकारी इंजीनियर (निर्माण)  
Asst. Executive Engineer (Con)  
दक्षिण मध्य रेलवे, काजीपेट  
South Central Railway, Kazipet

उप मुख्य इंजीनियर (निर्माण-II)  
Dy. Chief Engineer (Con.-II)  
द.म.रेलवे, काजीपेट  
S.C RAILWAY, KAZIPET

मुख्य इंजीनियर निर्माण/VI  
Chief Engineer/Construction-VI  
दक्षिण मध्य रेलवे/South Central Railway  
सिकंदराबाद/Secunderabad.