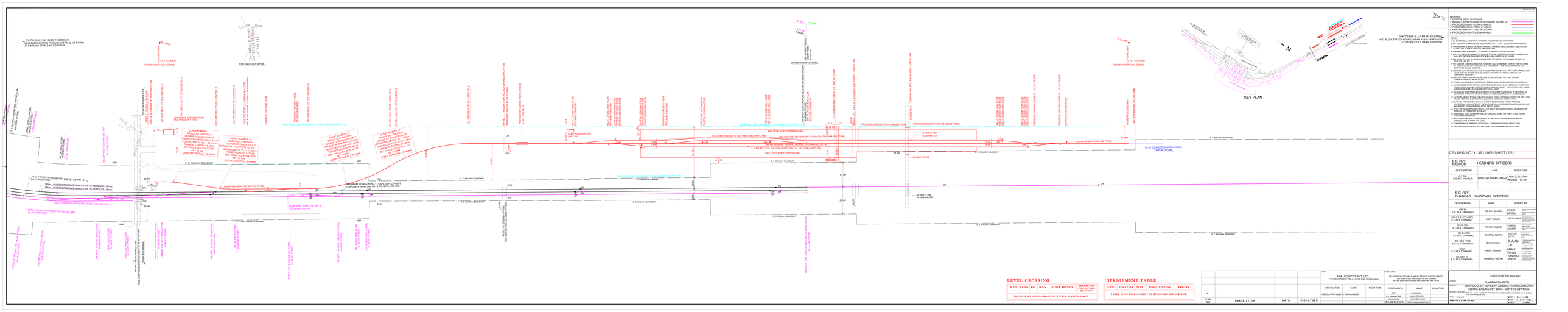

Annexure - IX

TO TORI JN.(AT KM. 139.928 F/KODERMA)
NEXT BLOCK STATION PHULBASIA(AT KM.32.100 F/TORI)
AT DISTANCE OF KM.9.400 F/SHIVPUR
F 1 in 490
Ch = 1647.200 m
FL = 513.902 m
(FOR SHIVPUR COAL SIDING)
1 IN 1200
1 IN 220
CH:1843m (F/CSB)
km 43.343 (F/TORI)
FL- 516.146
(FOR SHIVPUR STATION)
km 42.850 (F/TORI)
(TO BE DISMANTLED)
TP-2 CH:1384m (F/CSB) FOR LINE NO.-2,3&4
km 42.884 (F/TORI)
D/END CH:1410m (F/CSB)
km 42.910 (F/TORI)
(TO BE DISMANTLED)
DS CH:1455m (F/CSB)
km 42.955 (F/TORI)
(TO BE DISMANTLED)
FM & PT 1 IN 12 CH:1542m (F/CSB)
km 43.042 (F/TORI)
HOUSE
SHED
CART TRACK ROAD
TO VILLAGE-HANDUATOL
D/END AT CH:1625.447m F/CSB
END OF BOUNDARY CH:1635.100m F/CSB
CH: 1655.385 m TP1 OF CURVE NO.1
CH: 1688.511 m TP2 OF CURVE NO. 1
PROPOSED D/S OPERATION BUILDING(20m x 10m)
CH: 1758.532 m TP1 OF CURVE NO. 2
CH: 1792.998 m TP2 OF CURVE NO. 2
TAKE OFF POINT AT CH:1814.00m F/CSB
SRJ AT CH:1814.0M F/CSB PT 1 IN 12 F/SHAPED
DS AT CH:1857.600m F/CSB
SRJ AT CH:1911.600m F/CSB, PT 1 IN 12 F/SHAPED
CH: 1939.500 m TP1 OF CURVE NO. 3
CH: 2101.334m TP2 OF CURVE NO. 3
CH: 2101.334 m TP1 OF CURVE NO. 4
CH: 2265.068 m TP2 OF CURVE NO. 4
BR. NO. 1, 2 X 4.00 X 4.00m RCC BOX BARREL LENGTH 50M
PROPOSED BRIDGE AT CH:2330.890,
PROPOSED IN-MOTION WEIGH BRIDGE
AT CH: 2363.990 M
PROPOSED LAND BOUNDARY FOR AKA LOGISTICS PVT. LTD.
20
5
10
58.09
CURVE NUMBER : 1
RADIUS (R) = 240.000 m
DEGREE OF CURVE (D)=7.3°
TRANSITION LENGTH (TL) = 15.0 m
CURVE LENGTH (CL) = 33.127 m
TANGENT LENGTH =16.590 m
DEF. ANGLE (A)= 7°54'30.176"
SE = 25 MM
SPEED POTENTIAL = 20 KMPH
CURVE NUMBER : 2
RADIUS (R) = 240.000 m
DEGREE OF CURVE (D)=7.3°
TRANSITION LENGTH (TL) = 15.0 m
CURVE LENGTH (CL) = 34.467 m
TANGENT LENGTH = 17.263m
DEF. ANGLE (A)= 8°13'41.933"
SE = 25 MM
SPEED POTENTIAL = 20 KMPH
CURVE NUMBER : 3
RADIUS (R) = 300.000 m
DEGREE OF CURVE (D)=5.825°
TRANSITION LENGTH (TL) =15.0m
CURVE LENGTH (CL) =161.834m
TANGENT LENGTH =82.938 m
DEF. ANGLE (A)= 30°54'29.151"
SE = 20 MM
SPEED POTENTIAL = 20 KMPh
CURVE NUMBER : 4
RADIUS (R) = 300.000 m
DEGREE OF CURVE (D)=5.825°
TRANSITION LENGTH (TL) =15.0 m
CURVE LENGTH (CL) =163.743 m
TANGENT LENGTH =83.966 m
DEF. ANGLE (A)= 31°16'21.437"
SE = 20 MM
SPEED POTENTIAL = 20 KMPH
103.833
70.995
U/S
FLOW
D/S
52M
E. C. RAILWAY BOUNDARY
52M
52.0M
10.0
SSP (22.7X8.10m)
6.160m
6.10m
A1
A2
U/S
D/S
7.240m
55.0M
TPTC 2 CH:1417m (F/CSB) FOR LINE NO.-2&3FM 1 IN 12
km 42.917(F/TORI)
1620m LONG ENGINEERING SIDING (F/DS TO D/END)CSR -1410m
1445m LONG ENGINEERING SIDING (F/DS TO D/END)CSR -1410m
DS
1 IN 12
FM 1 IN 12
FM 1 IN 12
DS
5.3
5.3
S/SDG - 2 WITH SHUNTING FACILITY CAL=44m, CSL=37m
TPTC 2 CH:1417m (F/CSB) FOR LINE NO.- 4&5
km 42.917(F/TORI)
SHUNTING NECK 232.153M (DS TO DE)
5.3
DN
UP
DN
UP
5.30m
FM
1 IN 12
1 IN 12
FM
TEMPORARY SIDING LINE NO.- 1 CAL=1105m, CSL=1095
TEMPORARY SIDING LINE NO.- 2 CAL=870m, CSL=860
TEMPORARY SIDING LINE NO.- 3
CAL=850m, CSL=840
18M
21M
E. C. RAILWAY BOUNDARY
55M
E. C. RAILWAY BOUNDARY
55M
STARTER LINE NO.- 4 CH:1414m (F/CSB)
km 42.914 (F/TORI)
FM & PT 1 IN 12 CH:1431m (F/CSB)
km 42.931 (F/TORI)
FM & PT 1 IN 12 CH:1529m (F/CSB)
km 43.029 (F/TORI)
DS CH:1551m (F/CSB)
km 43.051 (F/TORI)
D/END CH:1595m (F/CSB)
km 43.095 (F/TORI)
114
BR NO.-113 CH:1604m (F/CSB) km 43.104 (F/TORI)
ROB COMPOSITE GIRDER (1X24m)
TO VILLAGE-BRINDA
FM & PT 1 IN 12 CH:1640m (F/CSB)
km 43.140 (F/TORI)
FM & PT 1 IN 12 CH:1653m (F/CSB)
km 43.153 (F/TORI)
FM & PT 1 IN 12 CH:1751m (F/CSB)
km 43.251 (F/TORI)
DS CH:1795 m (F/CSB)
km 43.295 (F/TORI)
FM & PT 1 IN 12 CH:1900.00m (F/CSB)
km 43.400 (F/TORI)
FM & PT 1 IN 12 CH:1998.000m (F/CSB)
km 43.498 (F/TORI)
DS CH:2030.000m (F/CSB)
km 43.530 (F/TORI)
DS CH:2050.000m (F/CSB)
km 43.550 (F/TORI)
BR NO.-115 CH:2300m (F/CSB) km 43.800 (F/TORI)
RCC BOX (2X4X4m)
FLOW
1 IN 490
1 IN 490
1 IN 490
1 IN 220
KM 44/400 F/TORI C/L
2900M F/CSB
FL-511.342
(FOR SHIVPUR STATION)
SRJ AT CH:2463.990m F/CSB, PT 1 IN 8.5 F/SHAPED
5.073
22.038
5
COMPRESSOR ROOM
(5M X 5M)
SRJ AT CH:2532.090m F/CSB, PT 1 IN 8.5 F/SHAPED
DS AT CH:2546.090m F/CSB
FM AT CH:2551.090m F/CSB
SH AT CH:2554.090m F/CSB
DS AT CH:2594.090m F/CSB
FM AT CH:2599.090m F/CSB
SH AT CH:2602.090m F/CSB
4.921
20
SRJ AT CH:2642.637m F/CSB, PT 1 IN 8.5 F/SHAPED
DS AT CH:2714.230m F/CSB
FM AT CH:2719.230m F/CSB
FM AT CH:2839.230m F/CSB
DS AT CH:2844.230m F/CSB
D/END OF TORI- SHIVPUR SECTION CH:2900m (F/CSB)
km 44.400 (F/TORI)
SRJ AT CH:2915.820m F/CSB, PT 1 IN 8.5 F/SHAPED
C.L. OF PROPOSED FOB AT CH: 2971.223 F/CSB
FLOW
BRIDGE NO.2 2 X 6.00 X 6.00m RCC BOX BARREL LENGTH 62M
BRIDGE NO.3 1 X 6.00 X 6.00m, RCC BOX BARREL LENGTH 48M
17.0
3.0
PROPOSED BRIDGE AT CH:3009.890 F/CSB.
PROPOSED SUBWAY AT CH:3109.890 F/CSB.
RAIL LEVEL PLATFORM(650x20M)
E 293647.7207
N 2649441.435
BV SIDING (LINE NO.3) CAL 120M LONG (FM TO FM)
LINE NO.4 CSL 734.100M (SH TO SH), CAL 740.100M (FM TO FM)
FM
FM
FM
FM
5.3M
5.3M
LINE NO.2 ENGINE ESCAPE LINE CAL 375.370M (SRJ TO FM)
LINE NO.1 CSL 734.100M (SH TO SH), CAL 740.100M (FM TO FM)
RAIL LEVEL PLATFORM(650x20M)
24.20
25.16
65.968
99.46M
67.5M
HEIGHT GAUGE
11,11M
17.0
3.0
E. C. RAILWAY BOUNDARY
5.3M
5.3M
FM
FM
SH AT CH:3288.190m F/CSB
FM AT CH:3291.190m F/CSB
DS AT CH:3296.190m F/CSB
SH AT CH:3336.190m F/CSB
FM AT CH:3339.190m F/CSB
DS AT CH:3344.190m F/CSB
SRJ AT CH:3359.190m F/CSB PT 1 IN 8.5 F/SHAPE
SRJ AT CH:3407.190m F/CSB PT 1 IN 8.5 F/SHAPE
DS AT CH:3420.190m F/CSB
D/END AT CH:3540.190m
END OF BOUNDARY CH:3552.690m
F 1 in 490
Ch = 3540.190 m
FL = 510.039 m
(FOR SHIVPUR COAL SIDING)
SHUNTING NECK 120M (DS TO DE)
46.58M
TO BE CONNECTED WITH KHARIKA
YARD IN FUTURE
PROPOSED LAND BOUNDARY FOR AKA LOGISTICS PVT. LTD.
E. C. RAILWAY BOUNDARY
20.0M
23.0M
U/S
D/S
DN
UP
DN
UP
47.5M
52.5M
FLOW
E 293733.198
N 2649465.2059
D/END OF TORI- SHIVPUR SECTION CH:2900m (F/CSB)
km 44.400 (F/TORI)
DN
DN
E. C. RAILWAY BOUNDARY
KM 6/400 F/SHIVPUR
NEXT STATION PHULBASIA
¢ OF SHIVPUR STN BUILDING
KM- 41/000 F/TORI
S B
1400X30M RL LEVEL WHARF
COMMON LINE
1400X30M RL LEVEL WHARF
KEY PLAN
N
TO KODERMA JN. (AT KM.393.550 F/HWH)
NEXT BLOCK STATION KHARIKA(AT KM. 45.160 F/KATHAUTIA
AT DISTANCE OF 3.768 KM. F/SHIVPUR

LEGENDS:-

1. EXISTING WORK SHOWN AS	———
2. RAILWAY APPROVED PROPOSED WORK SHOWN AS	———
3. PROPOSED SIDING WORK (PHASE-I)	———
4. PROPOSED SIDING WORK (PHASE-II)	———
5. EXISTING RAILWAY LAND BOUNDARY	—·—·—
6. PROPOSED PRIVATE SIDING WORKS	———

NOTES :-

1. ALL DIMENSIONS ARE SHOWN IN METERS UNLESS NOTIFIED OTHERWISE.
2. REF. DRAWING -APPROVED ESP- HQ. DRAWING NO.- Y - 124 - 2021 OF SHIVPUR STATION.
3. THIS DRAWING IS BASED ON ABOVE REFRENCE DRAWING OF E.C. RAILWAY AND FURTHER DETAILS ARE AS PER ACTUAL SITE SERVAY DETAILS.
4. CHAINAGES ARE IN REFRENCE TO CENTER OF SHIVPUR STATION BUILDING.
5. M.S.L (515.961m) AS MARKED AT SHIVPUR STATION, CONSIDERED AS BENCH MARK AT RAIL LEVEL AT CENTER OF SHIVPUR STATION BUILDING FOR DETAILED SURVEY.
6. AKA LOGISTICS PVT. LTD. SIDING IS PROPOSED TO TAKE-OFF AT CHAINAGE 1661.422 M FROM THE LINE NO. 2.
7. THE RAILWAY LAND REQUIRED FOR THE WORK WILL BE TAKEN BY THE PARTY IN THE FORM OF LICENSING/LEASING FOR WHICH THE AGREEMENT AS PER STANDARD TERMS AND CONDITIONS WILL BE ACCEPTED.
8. LICENSING PLAN OF RAILWAY LAND SHALL BE PREPARED BY THE PARTY AFTER APPROVAL OF SIDING ESP AND BEFORE COMMENCEMENT OF WORK AT SITE FOR APPROVAL OF COMPETENT AUTHORITY.
9. LICENSING FEES OF RAILWAY LAND SHALL BE DEPOSITED BY THE PARTY BEFORE COMMENCEMENT OF WORK AT SITE.
10. CURVES HAVING RADIUS MORE THAN 5 DEGREE SHALL BE PROVIDED WITH CHECK RAILS.
11. ALL PROPOSED WORKS FOR AKA PRIVATE COAL LOADING SIDING ARE SHOWN IN FIRM RED COLOR, WHICH SHALL BE EXECUTED BY M/S AKA LOGISTIC PVT. LTD. AT THEIR COST UNDER SUPERVISION OF RAILWAYS APPROVED CONSULTANTS.
12. ALL WAGON MAINTENANCE FACILITIES FOR CONTAINER TRAINS SHALL BE PROVIDED, AS MENTIONED IN RAILWAY BOARD'S LETTER NO.2006/M(N)951/1 OF DT.AUG17/20,2007.
13. FACILITIES OF REST ROOMS FOR CREW, GUARD, OTHER STAFF AND OFFICES FOR TMS / FOIS WILL BE PROVIDED IN OPERATION BUILDING AS PER EXTANT POLICY OF RLY.
14. DRAINAGE ARRANGEMENT SHALL BE DONE IN SIDE/OUT SIDE THE PFT PREMISES CONSIDERING THE LOCATION OF THE EXISTING NEAR BY BRIDGES/DRAIN ON RAILWAY LINE AND BRIDGES /DRAIN ON ROAD AT THE END OF SIDING.
15. AFTER THE FINAL APPROVAL OF DPR & ESP, PARTY WILL SUBMIT BRIDGE DRAWINGS FOR APPROVAL OF COMPETENT AUTHORITY.
16. ADDITIONAL STAFF QUARTERS SHALL BE CONSTRUCTED BY THE PARTY AS PER EXTANT RAILWAY BOARD'S POLICY .
17. END TO END CONCRETE PATHWAY SHALL BE PROVIDED FOR THE EXAMINATION OF EMPTIES/LOADS BETWEEN THE LINES.
18. COMPREHENSIVE DRAINAGE SYSTEM SHALL BE PROVIDED WITHIN ENTIRE YARD.
19. PROPOSED PHASE-II WORK WILL BE CONNECTED TO KHARIKA YARD IN FUTURE.

CE's DRG. NO. Y - 49 - 2022 (SHEET- 2/2)

E.C. RLY.
HAJIPUR
HEAD QRS. OFFICERS

DESIGNATION	NAME	SIGNATURE
C.P.D.E. E.C.RLY. HAJIPUR	BRIJESH KUMAR SINGH	Date: 2022.03.09 09:23:53 +05'30'

E.C. RLY.
DHANBAD DIVISIONAL OFFICERS

DESIGNATION	NAME	SIGNATURE
D.R.M. E.C. RLY. DHANBAD	ASHISH BANSAL	ASHISH BANSAL Digitally signed by ASHISH BANSAL Date: 2022.03.03 18:38:03 +05'30'
SR. D.E.N.(CO-ORD) E.C.RLY. DHANBAD	AMIT KUMAR	AMIT KUMAR Digitally signed by AMIT KUMAR DN: cn=AMIT KUMAR, c=IN, st=Jharkhand, o=EAST CENTRAL RAILWAY DHANBAD, ou=ENGINEERING, serialNumber=a8b9f9aade05ad1061b2d9e69c8ab878c696c97532734b78a7593516b36d3420 Date: 2022.02.28 17:59:20 +05'30'
SR. D.O.M. E.C.RLY. DHANBAD	PANKAJ KUMAR	PANKAJ KUMAR Digitally signed by PANKAJ KUMAR Date: 2022.01.25 18:40:48 +05'30'
SR. D.S.T.E. E.C.RLY. DHANBAD	GAUTAM GUPTA	GAUTAM GUPTA Digitally signed by GAUTAM GUPTA Date: 2022.01.30 19:48:12 +05'30'
SR. DEE / TRD E.C.RLY. DHANBAD	BHAJAN LAL	BHAJAN LAL Digitally signed by BHAJAN LAL Date: 2022.02.05 17:48:09 +05'30'
CAM E.C.RLY. DHANBAD	ANJAY TIWARY	ANJAY TIWARI Digitally signed by ANJAY TIWARI Date: 2022.02.28 11:25:37 +05'30'
SR. DEN (I) E.C. RLY. DHANBAD	HANSRAJ MEENA	HANSRAJ MEENA Digitally signed by HANSRAJ MEENA DN: cn=HANSRAJ MEENA, c=IN, st=JHARKHAND, o=EAST CENTRAL RAILWAY, ou=SENIOR DIVISIONAL ENGINEER-1, serialNumber=BEE2B007A190AB44D82FE896E58D5DF903D680F3DAA9B00B058D267611AC7DC6 Date: 2022.02.24 11:55:36 +05'30'

LEVEL CROSSING

S.NO.	LC NO.	KM.	M/UM	BLOCK SECTION	TELEPHONE CONNECTED STATION
THERE IS NO LEVEL CROSSING WITHIN STATION LIMIT					

INFRIGEMENT TABLE

S.NO.	LOCATION	TYPE	BLOCK SECTION	REMARK
THERE IS NO INFRIGEMENT TO STANDARD DIMENSIONS				

REV. NO.	DESCRIPTION	DATE	SIGNATURE
R1			

CLIENT :

AKA LOGISTICS PVT. LTD.
1st FLOOR, CHITRAKOOT, 230A, A.J.C. BOSE ROAD, KOLKATA-700020

DESIGNATION	NAME	SIGNATURE
HEAD JHARKHAND	Dr. RAJIV KUMAR	

CONSULTANTS :

DELHI INTEGRATED MULTI-MODAL TRANSIT SYSTEM LIMITED
Joint Venture of Govt. of NCT of Delhi and IDFC Foundation
8th Floor, Block-1,Delhi Technology Park, Shastri Park, Delhi 110 053

DESIGNATION	NAME	SIGNATURE
AVP	L.K. MISHRA	
DY. MANAGER	ABHAYE SINGH	
EXECUTIVE	JAHANGIR ALAM	
DRAWING NO :	DIMTS/AKA/18436/ESP-01	

EAST CENTRAL RAILWAY

DIVISION: DHANBAD DIVISION

PROJECT : PROPOSAL TO DEVELOP A PRIVATE COAL LOADING SIDING TAKING OFF FROM SHIVPUR STATION

AUTHORITY OF WORK:- ECR HQ. L. NO. - ECR/DWG./PVT.SDG./AKA-LOGISTICS/SHIVPOOR/505 Dtd. 21.05.2020, FOR APPROVAL OF DPR

TITLE : PRIVATE

DRM/DHN's DRAWING NO :

DATE : 05.01.2022
SHEET No: 2 OF 2 REV.: 0
SCALE : 1:1000