

PRADHAN MANTRI GRAM SADAK YOJANA

DETAILS OF UNDER PASSES/OVERPASSES PROPOSED FOR THE SAFE PASSAGE OF WILD ANIMALS On

<u>Ikhala Block Boundary Kishtwar to lopara Road</u> <u>part -II</u>

Package No:- JK04-167

Length: - 13.00kms

Length of Road in forest Area: - 9.60 kms

Executive Engineer PMGSY Division Marwah

1. INTRODUCTION

The rural road network required for providing the 'basic access' to all villages/ habitations is termed as the Core Network. Basic access is defined as one all-weather road access from each village/ habitation to the nearby Market Centre or Rural Business Hub (RBH) and essential social and economic services.

A Core Network comprises of Through Routes and Link Routes. Through routes are the ones which collect traffic from several link roads or a long chain of habitations and lead it to a market centre or a higher category road, i.e. the District Roads or the State or National Highways. Link Routes are the roads connecting a single habitation or a group of habitations to Through Roads or District Roads leading to Market Centres. Link Routes generally have dead ends terminating on habitations, while Through Routes arise from the confluence of two or more Link Routes and emerge on to a major road or to a Market Centre.

The Core Network may not represent the most convenient or economic route for all purposes. However, since studies show 85-90% of rural trips are to market centres, the Core Network is likely to be a cost-effective conceptual frame work for investment and management purposes, particularly in the context of scarce resources.

The sub-project Road takes off from Ikhala being the Block Boundary of Kishtwar and is aimed to connect firstly the Block & Tehsil Dachhan of the District Kishtwar and secondly the Sub Division Marwah directly with District headquarter Kishtwar which is devoid of Road connectivity since the dawn of independence. The forest clearance for part-1st of length 22.00 kms has been sanctioned whereas the 2nd part of length 13.00 kms of Sub project is awaited for which proposal moved. The Sub-project will directly connect the whole Sub-Division of Marwah having a population of more than 30000 by all weather connectivity. The habitations which get connected and benefited will be Hanzal, Teller, Chanjer, Deherna, Nowpachi

Hanzal is situated on the right bank of River Marsudhar and towards east side of block Marwah.

Presently Hanzal is connected with a bridle track having deep ascends and descends and remains mostly cut off during winter season. All the essential commodities are to be carried upto Hanzal by head load or ponies resulting in backwardness of the area both socially as well as economically.

Mostly the people are illiterate and unemployed due to lack of education facilities in the vicinity of the area

The Block Marwah is spreaded over a vast hilly area having many beautiful tourist spots, pastures and meadows having great exploration of Tourism potential. The construction of road shall boast tourism sector in the area in general and the whole block shall come up at par with the famous

Tourist resorts and shall improve the socio-economical condition of the down trodden and poverty stricken populace of the block.

This road will increase the intensity of tourism in the area similar as Phalgam in Kashmir. The road shall also provide accessibility to school, High school, Health Centre etc. The road construction has been proposed with a formation width of 6.0M except, except at valley/zig points where construction of R/walls are inevitable from geometrical constraints and at horizontal curves, extra widening has been proposed ranging from 0.60 to 0.90 Mtr. depending upon the radius of horizontal curve and as per IRC specification.

Executive Eng Prosv Division Marwah

2. Objectives of Animal Passage plan Study

The objectives of animal passage plan are:

- ❖ To incorporate the needs of wildlife into transportation projects.
- ❖ To maintain the habitat connectivity.
- ❖ To aid in the reduction of human wildlife conflict, improving awareness, safety andreducing collisions.

1. Project Location and Technical Details:

| Project: | Construction of Motorable Road from Ikhala Block Boundary Kishtwar to Lopra Part-II |
|----------------------------------|--|
| | |
| Proposal No. | FP/JK/ROAD/51130/2020 |
| Project Proponent: | Marwah & Dachhan Forest Range |
| Project Cost: | 4294.00 lacs |
| Details of Forest Area involved: | 5.9312 Ha |

1. <u>Justification for Proposed route & alternative examined:</u> The The present proposed road alignment is only feasible for Construction of Motorable Road from Ikhala Block Boundary Kishtwar to Lopra Part-II. There is no possibility of alternate alignment for the project road. Hence, the diversion of the Forest is the only choice to construct the road.

2. Area Details Falling in Forest area

Part- 1

- (i) Total Length of the Road: 13000m
- (ii) Total Length of the Road in Forest Area: 9600m
- (iii) Width of the Road: 6.00m
- (iv) Area in forest land 5.9312Ha.

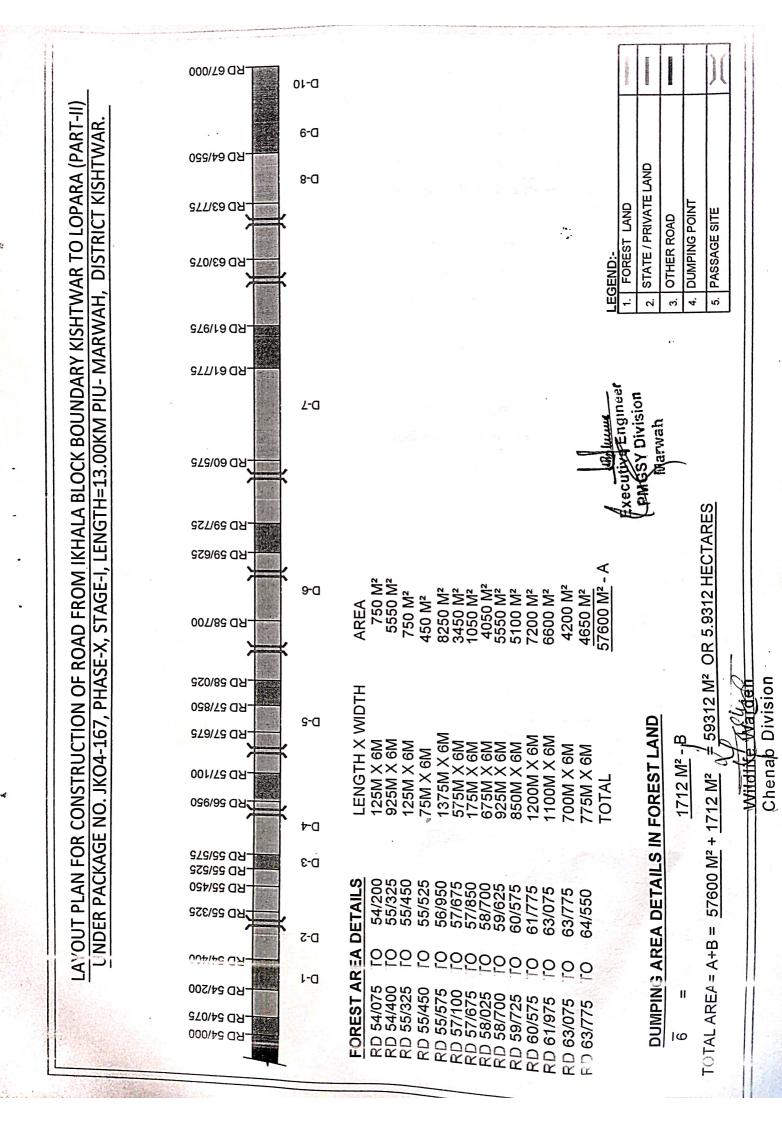
3. Major Activities involved in the execution of Project:

| A | Earthwork in excavation in Hilly area | |
|---|---------------------------------------|--|
| 1 | Earthwork in cutting | |
| 2 | Earthwork in filling | |
| В | CD Works | |

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Division SAFE PASSAGE OF WILD ANIMALS IN FOREST LAND ON IKHALA BLOCK BOUNDARY KISHTWAR TO X-SECTION OF APPROACH WALL TO CULVERT FOR PASSING WILD ANIMALS LOPARA ROAD PART-II <<< ROAD >>> 3 M SPAN RCC PASSAGE APPROACH Chenab Division Kishtwar <<< ROAD >>>

PLAN SHOWING THE DRAWINGS OF APPROACH PATH WALLING AND 3MTR SPAN RCC CULVERT FOR



Block Boundary Kishtwar to Lopara Part-II Road

| В | CD Works |
|----|---------------------------------------|
| 4 | Construction of 2.0m Span RCC Culvert |
| 5 | Construction of 3.0m Span RCC Culvert |
| 6 | Construction of 6.0m Span RCC Culvert |
| С | Construction of Semi Pucca Walling |
| 7 | R/Wall Ht. 2.00 m |
| 8 | R/Wall Ht. 3.00 m |
| 9 | R/Wall Ht. 4.00 m |
| 10 | R/Wall Ht. 2.50 m |
| 11 | Parapet |

| 12 | Pucca Drain |
|----|--|
| D | Providing & Fixing of Signage and Boards |
| 13 | Citizen & Main Information Board |
| 14 | Logo Board |
| 15 | Road Sign Boards |
| 16 | Km Stone |
| 17 | 200 m Stones |
| 18 | 5 Km Stones |

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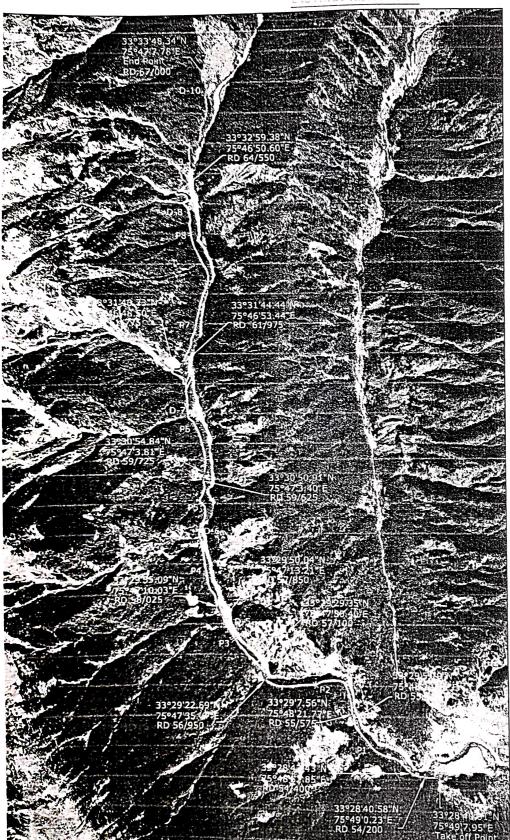
Proposed mitigation measures: In addition to proposed action plan following measures could be undertaken in view of projected increase in traffic load which could facilitates the animals to cross the road:

- Creation of barriers
- To provide RCC Box culverts/Animal Underpass at various strategic point, so that along with water various wildlife can also pass through the culvert to reach the other side of the road
- The culvert floor must be naturalized so that small vegetation can grow and give the underneath area a natural passage look.
- Noise barriers shall be installed near the underpasses for effective use of underpasses
- The culvert height shall accommodate animals like Black bear, Leapord, Muskdear etc
- The hydrological importance shall also be kept in mind while deciding on the relocation / modification of the culverts.
- During Construction period no construction work shall be allowed after night fall.
- Special care should be taken to ensure that the animal movement is not restricted due to the construction work
- Workers & local populace should be made aware through awareness workshops about the importance of wildlife and biodiversity and special attention paid that no poaching and hunting takes place
- Creation of rumble strip on stretches which are passing through longer forest patches.
- Pipe culverts shall be avoided and be replaced with box culverts if located in places having good forest patches on both side with larger and continuous patch size to save the smaller wild animals from road accidents. Culvert floor shall be planted with indigenous plant and grass species.
- No labour camps should be allowed at the construction sites. Arrangements should be made to bring in the labour during the working hours and drop them after that. No fire or cooking should be allowed at the construction site.
- No stocking and dumping of construction material other than the designated sites duly agreed by the Forest Department.
- Construction workers and local communities should be sensitized about importance of wildlife conservation and do's and don'ts through awareness workshops/meeting with full involvement of local Forest personnel. Workers should be made aware of provision of legal penalties to stop poaching and wood cutting.
- Vehicle speed limit should not be more than 30-40 km/hr. in the animal prone stretch
 warning signage shall be installed at every 25 m in entire project road. Night traffic should
 be controlled through barriers at appropriate locations to be decided by the project
 authorities and local forest department. Random checking by the Flying Squad of

Executive Engineer

000/79 미지 01-0 AYOUT PLAN FOR CONSTRUCTION OF ROAD FROM IKHALA BLOCK BOUNDARY KISHTWAR TO LOPARA (PART-II) UNDER PACKAGE NO. JKO4-167, PHASE-X, STAGE-I, LENGTH=13.00KM PIU- MARWAH, DISTRICT KISHTWAR 6**-**0 RD 64/550 STATE / PRIVATE LAND 8-**Q DUMPING POINT** FOREST LAND PASSAGE SITE RD 63/775 OTHER ROAD EGEND: ST0/59 QA. 'n, Executive Engineer PAGSY DIVISION 879\19 QA RD 61/775 **1-a** GV5/09 GR 59312 M² OR 5.9312 HECTARES RD 59/725 KD 28/625 57600 M2 - A 750 M^2 5550 M^2 8250 M² 3450 M² 1050 M² 4050 M² 5550 M² 5100 M² 7200 M² 6600 M² 4200 M² 4650 M² 750 M² 9-0 450 M² RD 58/700 Chenab Division Wildli¥e Warden RD 58/025 ENGTH X WIDTH **DUMPING AREA DETAILS IN FOREST LAND** RD 57/850 D-2 1712 M2 - B 1375M X 6M 575M X 6M 175M X 6M 675M X 6M 925M X 6M 850M X 6M 1100M X 6M RD 57/675 125M X 6M 925M X 6M 125M X 6M 1200M X 6N 700M X 6M 75M X 6M 75M X 6M 57600 M2 + 1712 M2 RD 57/100 RD 56/950 b-d RD 55/575 D-3 56/950 57/675 57/850 58/700 59/625 60/575 55/325 55/450 55/525 61/775 63/075 FOREST AREA DETAILS 63/775 64/550 KD 22/420 TOTAL AREA= A+B = JRD 55/325 D-2 2222222222 RD 54/400 r-a RD 54/075 RD 54/400 RD 55/325 RD 55/450 RD 55/576 RD 57/100 RD 57/675 RD 58/025 RD 58/700 RD 59/726 RD 63/075 RD 63/775 RD 60/575 RD 61/975 RD 54/200 RD 54/075 RD 54/000

GPS MAP FOR CONSTRUCTION OF ROAD FROM IKHALA BLOCK BOUNDARY KISHTWAR TO LOPARA (PART-II) UNDER PACKAGE NO. JKO4-167, PHASE-X, STAGE-I, LENGTH=13.00KM PIU- MARWAH, DISTRICT KISHTWAR.





| GPS COORDINATES PASSAGE SITE | | | |
|------------------------------|---------------|-----------------------|--|
| P-1 | 33°28'55.17"N | 75°48'30.64"E | |
| P-2 | 33°29'21.84"N | 75°48'9.82"E | |
| P-3 | 33°29'41.74"N | 75°47'18.88"E | |
| P-4 | 33°30'9.86"N | 75°47'4.54 " E | |
| P-5 | 33°30'40.89"N | 75°47'2.35"E | |
| P-6 | 33°31'19.67"N | 75°46'55.75"E | |
| P-7 | 33°32'4.68"N | 75°47'0.88"E : | |
| P-8 | 33°32'49.39"N | 75°46'57.26"E | |

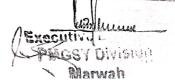
SCALE:- 1:40000

| GPS COORDINATES DUMPING SITE | | | |
|------------------------------|------------------------|------------------------|--|
| ID | LATITUDE | LONGITUDE | |
| D-1. | 33°28'40.58"N | 75°49'0.23"E | |
| D-2. | 33°28'49.40"N | 75°48'41.55"E | |
| D-3. | 33°29'5.79"N | 75°48'22.36"E | |
| D-4. | 33°29'19.83"N | 75°48'18.82"E | |
| D-5. | 33°29'47.04 " N | 75°47'14.88"E | |
| D-6. | 33°30'28.84"N | 75°47'1.12"E | |
| D-7. | 33°31'21.20"N | 75°46'55.84 " E | |
| D-8. | 33°32'51,86"N | 75°46'56.43"E | |
| D-9. | 33°33'9.67"N | 75°46'54.25"E | |
| D-10 | 33°33'41.51"N | 75°47'7.03"E | |

LEGEND:-

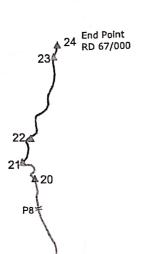
| 1. | FOREST LAND | SECTEMBER . |
|----|---------------|--|
| 2. | REVENUE LAND | A STATE OF |
| 3. | DUMPING POINT | |
| 4. | PASSAGE SITE | Comment of the Commen |

Wildlife Warden Chenab Environ Kishiwa



GEO REFERENCE MAP FOR CONSTRUCTION OF ROAD FROM IKHALA BLOCK BOUNDARY KISHTWAR TO LOPARA (PART-II) UNDER PACKAGE NO. JKO4-167, PHASE-X. STAGE-I. LENGTH=13.00KM PIU- MARWAH. DISTRICT KISHTWAR.





| GPS C | GPS COORDINATES PASSAGE SITE | | | |
|-------|------------------------------|------------------------|--|--|
| P-1 | 33°28'55.17"N | 75°48'30.64 " E | | |
| P-2 | 33°29'21.84"N | 75°48'9.82"E | | |
| P-3 | 33°29'41.74"N | 75°47'18.88"E | | |
| P-4 | 33°30'9.86"N | 75°47'4.54"E | | |
| P-5 | 33°30'40.89"N | 75°47'2.35"E | | |
| P-6 | 33°31'19.67"N | 75°46'55.75"E | | |
| P-7 | 33°32'4.68"N | 75°47'0.88"E | | |
| P-8 | 33°32'49.39"N | 75°46'57.26"E | | |
| | | | | |

SCALE:- 1:40000 GPS COORDINA

| GPS C | GPS COORDINATES | | | |
|-------|-----------------|-----------------|--|--|
| ID | LATITUDE | LONGITUDE | | |
| 1. | 33°28'40.91"N | 75°49'7.95"E | | |
| 2. | 33°28'40.48"N | 75°49'5.08"E | | |
| 3. | 33°28'40.58"N | 75°49'0.23"E | | |
| 4. | 33°28'42.43"N | 75°48'52.85"E | | |
| 5. | 33°28'49.40"N | 75°48'41.55"E | | |
| 6. | 33°29'5.79"N | 75°48'22.36"E | | |
| 7. | 33°29'7.56"N | 75°48'21.77"E | | |
| 8. | 33°29'19.83"N | 75°48'18.82"E | | |
| 9. | 33°29'22.59"N | 75°47'35.77"E | | |
| 10. | 33°29'29.35"N | 75°47'30.40"E | | |
| 11. | 33°29'47.04"N | 75°47'14.88"E | | |
| 12. | 33°29'50.04"N | 75°47'13.21"E | | |
| 13. | 33°29'55.09"N | 75°47'10.03"E , | | |
| 14. | 33°30'28.84"N | 75°47'1.12"E | | |
| 15. | 33°30'50.91"N | 75°47'3.40"E | | |
| 16. | 33°30'54.84"N | 75°47'3.81"E | | |
| 17. | 33°31'21.20"N | 75°46'55.84"E | | |
| 18. | 33°31'40.73"N | 75°46'48.50"E | | |
| 19. | 33°31'44.44"N | 75°46'53.44"E | | |
| 20. | 33°32'51.86"N | 75°46'56.43"E | | |
| 21. | 33°32'59.38"N | 75°46'50.60"E | | |
| 22. | 33°33'9.67"N | 75°46'54.25"E | | |
| 23. | 33°33'41.51"N | 75°47'7.03"E | | |
| 24. | 33°33'48.34"N | 75°47'7.78"E | | |
| | | | | |

3 1 Take off Point RD 54/000

| LE(| GEND:- | |
|-----|---------------|------------------------|
| 1. | FOREST LAND | NESCHOLIES |
| 2. | REVENUE LAND | |
| 3. | DUMPING POINT | |
| 4. | PASSAGE SITE | Americal Particular |

Wildlife Warden Chenab Division Executive Engineer

PMGSY Division

Marwah

Abstract of Proposed action plan for safe passage of wild Animals

| S.No | Name of Particulars | Amount (Rs in Lacs) |
|------|--|---------------------|
| 1 | Provision for construction of B/walls & R/walls in addition to the already proposed in Project | 20.00 |
| 2 | Construction of 03mtr Span RCC Culvert/Animal Passage including Approach Track 08No's | 133.44 |
| 3 | Road Studs /Speed Breakers on 20 stretches | 3.00 |
| 4 | Provision for construction of Parapets | 5.00 |
| 5 | Provision for P/F Sign boards /Cautionary warning signs at every 20 to 25mtrs of Road Stretch | 10.00 |
| | G-Total | 171.44 |

Say Rs.171.44

Wildlife Warden Chenab Division Kishtwar

Executive Engineer
POISSY Division
Marvet

| S. No. | ED ESTIMATE FOR CONSTRUCTION OF GSMANDER EE OF ANIMALS IN FOREST AREA ON Ikhala Block Boundar Description | Unit | App. Quantity | Rate | Amount |
|-----------|---|------|------------------|---------|-----------|
| 1 | Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres:70% all kinds of soil & 30 % ordinary rock | cum | 380.05 | 317.43 | 120639.00 |
| | Abutment = $7.50 \times 8.60 \times 4.30 = 277.35 \text{ cum}$ | | | | |
| | Wing wall = $4 \text{ nos } x 2.50 \times 1.40 \times 3.80 = 53.20 \text{ cum}$ Approaches = $2 \text{ nos } x 1/2 \times 1.60 \times 2.50 \times 3.00 = 12.00$ | | | 14 | |
| | Approach for culvert to wild animals 1/2x 1.50x2.50x5.00x4Nos = 37.50cum Total = 350.05 cum | w | | | • |
| | Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with:1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) | | | | |
| 2 | Abutment step I = $8.60 \times 7.00 \times 0.20 = 12.04$ cum | cum | 29.12 | 4943.40 | 143951.00 |
| | Step ii = $8.00 \times 7.00 \times 0.20 = 11.20 \text{ cum}$ Wing wall = $4 \text{ nos } \times 1.40 \times 2.50 \times 0.40 = 1.16 \text{ cum}$ | | | | - |
| | Approaches = $2 \text{ nos } \times 3.00 \times 1.60 \times 0.20 = 1.92 \text{ cum}$ Bottom Inside = $2.00 \times 7.00 \times 0.10 = 2.80 \text{ cum}$ Total = 29.12 cum | | | | |
| | Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with: 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) | | | | |
| | Abutments 2nd step = $2 \text{ nos } \times 6.50 \times 7.20 \times 0.80 =$ 37.44 cum $2 \text{nd step} = 2 \text{ nos } \times (0.60 + 2.00)/2 \times 7.00 \times 3.00 =$ | | | | |
| • | | | | | |
| 3 | Wing wall 1^{st} step $4 \text{ nos } \times 2.50 \times 1.20 \times 0.80 = 9.60 \text{ cum}$ | 1 1 | | | |

| | ils of Under passes proposed for safe passage of w Block Boundary Kishtwar to Lopa | ira rait | 126.51 | 5877.45 | 802330.00 |
|--------|---|-----------|---------|---------|-----------|
| \neg | $2^{\text{nd}} \text{ step } 4 \text{ nos } x (0.60+1.20)/2 \ x 2.50 \ x 2.90 = 26.10$ | cum | 136.51 | 3611.43 | 002330.00 |
| | | | , , | | |
| | Bottom inside = $3.00 \times 7.00 \times 0.10 = 2.10 \text{cum}$ | | 1 | | |
| L | Bottom inside = $3.00 \times 7.00 \times 0.10^{-2}$ Parapet Over culvert $2 \times 3.40 \times 0.60 \times 0.40 =$ | 1 | | | |
| Ì | | | | | |
| l | 1.63 | | | 2 2 2 | |
| L | cum | | | | |
| | Over approaches & wing wall = 2 sides x 4 nos | | | | |
| | X1.50 I | | | 1 | |
| L | x(0.45+0.60)/2x 0.60 = 3.78 cum | | 4. | | |
| - 1 | $T = 136.51 \text{ M}^3$ | | | | - F |
| | Providing and laying in position specified grade of | | | 7 | |
| | reinforced cement concrete including | | | 1 2 | |
| | curing but excluding the cost of centering, | | | 7.35 | |
| | shuttering, finishing and reinforcement. All works | | | | |
| | upto plinth level in 1:11/2:3 (1 cement : 11/2 coarse | | 7.56 | 8953.95 | 67692.00 |
| 4 | sand: 3 graded stone aggregate 20 mm nominal | cum | 7.50 | 8933.73 | 0,0,2, |
| 1 | size) | | | | |
| 1 | Size) | | | | |
| | Slab = $1 \times 7.00 \times 3.60 \times 0.30 = 7.56$ cum | | | | |
| | Total = 7.56cum | | - 1 | | |
| | Steel reinforcement for R.C.C. work | | | | |
| 5 | | | | | |
| | includingstraightening, cutting, bending, | | | | |
| | placing in | | | | |
| | position and binding all complete upto plinth level | | | | |
| | Mild steel and medium tensile steel bars | | | | |
| | Qty. vide item no. 4 = 7.56 @ 150 kgs / cum = | 7 | | 70.55 | 90075 00 |
| | 1134.00kgs | kg | 1134 | 78.55 | 89075.00 |
| | Total = 1134.00 kgs | | | | |
| | Random Rubble masonry with hard stone in | | 4- | | |
| | foundation and plinth including leveling up with | | | | |
| 6 | cement concrete 1:6:12 (1 Cement : 6 coarse sand : | | | | |
| | 12 graded stone aggregate 20mm nominal size) upto | | | | |
| | plinth level and | | | | |
| | · · | cum | 64.00 | 4400.5 | 281632.00 |
| | curing complete with: Cement mortar 1:6 (1 Cement : | | | 7 | |
| | 6 coarse sand) Nallah | | | | |
| | $2 \text{ nos } \times 2.50 \times (0.60 + 1.60)/2 \times 3.00 = 16.50 \text{ cum}$ | | | | |
| | Approaches for wild animals | | | | |
| | | THE STATE | | | |
| | 0.60+1.30/2x2.50x5Nos x4Nos = 47.50cum | | 100 | | |
| | Net Total = 64.00 cum | | | | |
| 7 | Back filling with stones behind abutment, wing wall | | | | 7.1 |
| | and return wall complete as per drawing and | | | F_ Y | |
| | technical specification clause 1204.3.8 | | | | |
| | $2 \times 2.50 \times \frac{1}{2} \times 1.20 \times 2.00 = 6.00 \text{ cum}$ | 5.0 | | 17.5% | |
| | Total = 6.00 cum | cum | 6.00 | 527.00 | 3162.00 |
| 8 | | | | 327.00 | 3102.00 |
| 8 | carriage of stone av. Distance 1 km by M.T | | 64.00 | 139.71 | 8941.00 |
| | | *** | | | |
| 9 | Carriage of cond - D' | | | | |
| 9 | Carriage of sand av. Distance 33.00 km by M.T | | 102.24 | 462.14 | 47249.00 |
| | | | , , , , | " | 47243.00 |
| 10 | Carriage of age | 150 | . 2 | 1 | - |
| 10 | Carriage of aggr. av. Distance of 35 km by MT | | 155.85 | 479.42 | 74717.5 |
| | | | | 7/2,42 | 74717.00 |
| | Carriage of steel Distance of 44 km by M.T | 7.7 | | | 4 7500 |
| 11 | Comings of at the | | | | |

Details of Under passes proposed for safe passage of wild Animals in forest Land on Ikhula

Block Boundary Kishtwar to Lopara Part-II Road

Carriage of cement Distance of 44 km by M.T 57.87 495.31 28644.00

Total = 1668593.00

Grand Total = 16.681acs

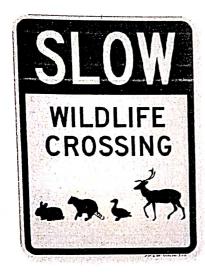
Batha Cashocr PNSTS Division PNSTS Division Slarvan Marwah

| Clab | Thus 1115:3 |
|--|--|
| Park Park Anna Anna Anna Anna Anna Anna Anna Ann | plum cone M-10 Grade Plum cone M-10 Grade Calased Square masing In 1:3 min |
| 7. 2. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. | In 123 mix |
| 2.00 | 0.80m |
| | |
| 3.00m. | |
| 2.60 +1 | |
| | |
| | |
| PLAN | |

Wildlife Warden Chenab Division Kishtwar Executive Engineer
PRIGSY Division
Marwah

Provision of Safety Features

Cautionary / Warning Sign Boards such as Over Hanging Signage will be provided at at and at the end of each stretch of Wildlife area / Forest area



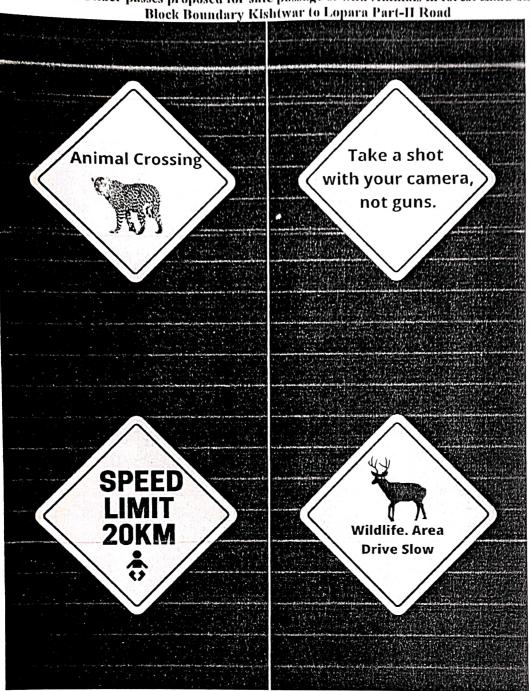






Wildlife Warden Chenab Division Kishtwar Procurve Engineer Procesy Division

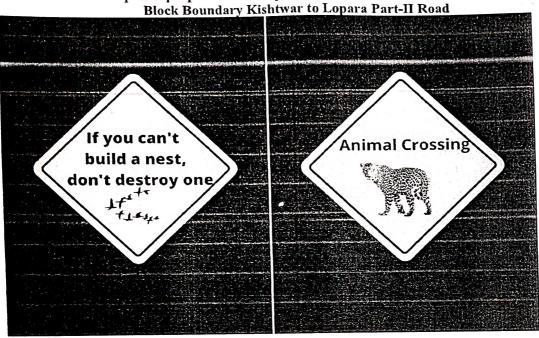
Details of Under passes proposed for safe passage of wild Animals in forest Land on Ikhala



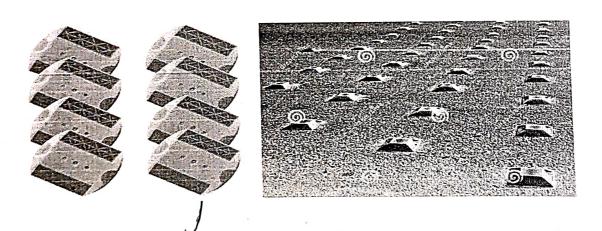
Wildlife Warden Chemab Division Kishtwar

Executive Engineer
PMGSY Division
Marwah

Details of Under passes proposed for safe passage of wild Animals in forest Land on Ikhala



• Road Studs / Speed Breakers will be provided at the start and at the end of each stretch of Wildlife Area / Forest Area.



Wildlife Warden Chenab Division Kishtwar

Executive Engineer
PMGSY Division
Marwah

