# RAJASTHAN STATE ROAD DEVELOPMENT & CONSTRUCTION CORPORATION LTD.

# **ESTIMATE**

NAME OF WORK : DEVELOPMENT OF ROADS OF MEHANDIPUR BALAJI (DISTT. DAUSA & KARAULI)

ESTIMATE COST : Rs. 1884.00 Lacs

PROJECT DIRECTOR RSRDC LTD. UNIT MEHANDIPUR BALAJI

- 1 Name of Work
- 2 Ref of admn. & fin. sanction
- 3 Amount of Sanction
- 4 Location
- 5 Necessity

6 Land

5 Proposal

#### TECHNICAL REPORT

- : Development of Roads of Mehandipur Balaji (District Dausa & Karauli)
- : No.F-7(3)/Sec-II/2017-18/D-240 dated 23/08/17
- : Rs 1884.00 Lakh
- : At Mehandipur Balaii (Dausa)
- : Mehandipur Balaji is a famous religious place in eastern Rajasthan. Millions of people came to pay their homage at Balaji. Width of existing road from NH-11 to Mehandipur Balaji is insufficient and traffic jams is daily phenomena at this area. To provide facility for traffic, widening of road is proposed up to maximum width.

To connect Udepura side locality to Toda Bheem side habitation area, there is only one road which passes through Balaji Temple front area. During day hours, entry of traffic remain closed near Balaji temple. At the time of "ARTI" at even pedestrians could not pass through road.

To provide connectivity from Udepura side locality to Toda Bheem side area, construction of Bye Pass road is the only option, Therefore construction of Bye-pass road is proposed.

 For approach road from NH-11 to Mehandipur Balaji, development works proposed in available ROW. Encroachments shall be removed by competent authority.

For Udepura road to Toda Bheem By-Pass, alignment passes through Forest land in 1.00 Km length. Proposal have been submitted to Collector Dausa & Karauli for issuing necessary clearance for Forest land.

#### (A) Development of NH-41 to Mehandipur Balaji Road:

- (i) Km 00 to 1/0- Widening of Road from existing 5.50 Mtr to 7.00 Mtr with Hard Shouldes.
- (ii) Widening of narrow Slab Culvert 4x4.00 Mtr span at Km 0/125 from 7.50 Mtr to 24.00 Mtr.
- (iii) Development of 4-lane BT Road with divider from Km1/075 to 2/100 with side drains.
- (iv) Widening of existing 2-lane CC road to 4-lane 2150 to 2/780 (Side drains in this stretch being constructed by Water Resources department.).
- (v) CC pavement wall to wall from Km2/780 to 2/980 (in front of Balaji Temple. Drain has been constructed by Water Resources
- (vi) Widening & strengthening of existing 2-lane CC road to 4-lane 2/980 to 3/600 (Side drains from Km 2/980 to 3/150 being constructed by Water Resources department. From 3/150 to 3/580, side drains already constructed. From Km 3/580 to 3/700, new CC drains proposed, ).
- (vii) Improvement of Patoli, By pass Junction

# (B) Construction of By Pass from Udepura Road to Toda Bheem Road

- (i) Km 00 to 0/220- Construction of CC Road in 7.00 Mtr width with "L" shape side drains in existing habitant area.
- (ii) Km 0/220 to 0/937- Construction of BT road in 7.50 Mtr width in Forest area with catch water CC drain on hill side & protection wall on other side.
- (iii) Km 0/937 to 1/294 Construction of BT road in 7.00 Mtr width with "L" shape side drain

(iv) Km 1/294 to 1/550- Construction of CC Road in 7.00 Mtr width with "L" shape side drains in habitant area.

6 Specifications

Agency for execution

Estimated cost

**BSR** 

- : Following Specifications have been adopted:
- : (i) BT Road :-
- : (a) GSB 250 mm thick
- : (b) WMM in 250 mm thick
- : (c) DBM in 60/70 grade biotumen 100 mm thick
- (d) BC 40 mm thick
- : (ii) CC Pavement
- : (a) GSB 250 mm thick
  - (b) DLC 150 mm thick
- : (c) PQC 250 mm thick M-40
- : (d) CC side drains as per requirements with nominal reinforcement.
- Work shall be executed through contractor after calling comptetive tenders with wide publicity.
- PWD Circle Dausa Building BSR-2016, PWD NH Circle Jaipur Road BSR-2016
- : Rs 1884.00 Lakh

(B.S.Sharma) Project Officer RSRDC Ltd.,

Unit Mehandipur Balaji

(J.P.Meena)

**Project Director** 

RSRDC Ltd.,

Unit Mehandipur Balaji

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	1294 1550	COLONY ROAD (Kutcha Track) KHASARA NO. 37 & 40 GAHAROLI (KARAULI)	256 Mtr		1294 1550	"L" Drain	CC ROAD		L Drain	256 Mtr
Km)	1274	FOREST AREA AREA NO. 33 GAHROLI (KARAULI)	20 Mtr	-	1274					20 Mtr
/550 (1.55	1249	FOREST AREA KHASARA NO. 4 34/333 GAHROLI (KARAULI)	25 Mtr		1249					25 Mtr
Name of work : Development of By-Pass to Mehandipur Balaji 0/0 to 1/550 (1.55 Km) <u>LINEAR CHART</u>	1066	COLONY ROAD (Kutcha Track) KHASARA NO. 24 & 27 GAHAROLI (KARAULI)	183 Mtr		1066		0 Mtr			183 Mtr Project Director RSRDC Ltd.
andipur Ba	1034	FOREST AREA KHASARA NO.23 GAHROLI (KARAULI)	32 Mtr		1034	"L" Drain"	BT ROAD 7.00 Mtr	"L" Drain"		32 Mtr
ss to Meha	1010	FOREST AREA KHASARA NO.22 GAHROLI (KARAULI)	24 Mtr		1010					24 Mtr
t of By-Pass to N LINEAR CHART	266	KHASARA KHASARA NO.21 GAHROLI (KARAULI)	13 Mtr		266					13 Mtr
velopmen	937	RAJ. GOVT. LAND KHASARA NO.07 I GAHROLI I) (KARAULI)	60 Mtr		937				3	Project Offic RSRDC Ltd
work : De	00 467 HABITATION SIDE	GAH AFA	. L SIDE		0 467 HABITATION SIDE	PROTECTION WALL	BT ROAD 7.50 Mtr	"U" Catch water drain	SIDE	
Name of	220 HABIT		H I L		220 HABIT/			"U" Cato	HILL	<u> </u>
	0	COLONY ROAD (Kutcha Track)	220 Mtr		0		CC ROAD 7.00 Mtr	"L" Drain	220 Mfr	
<b>+</b>	aJ4MaT	EXISTING ROOMS ROAD ROAD ROAD ROAD	APURA 200 Mt	an 📦	======================================	JAOC	STING RICE	siya.	A)	augiadu 🗪
	h	PRESENT	grid				PROPOSED ROAD ROAD	or had		

## Rajasthan State Road Development and Construction Corporation Ltd., Jaipur

Name of work : Development of Roads of Mehandipur Balaji

### **ABSTRACT**

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
Part :	A - NH-11	to Mehandipur Balaji Road Km 1/300 to 3/700				
1	2.3.2.1	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material up to a lead of 1000m including removal and disposal of top organic soil not exceeding in 150 mm thickness as per MoRTH specification clause 201 By mechanical Means. In area of light jungle		30267.00	Hectare	187050.06
2	2.1	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots stacking of serviceable material with all lifts and up to a lead of 1000 m and earth filling in the depression/ pit as per MoRTH specification clause 201.				
	2.1.1	(i) Girth from 300 mm to 600 mm	8.00	220.00	Each	1760.00
	2.1.2	(ii) Girth from 600 mm to 900 mm	2.00	369.00	Each	738.00
	2.1.3	(iii) Girth from 900 mm to 1800 mm	2.00	754.00	Each	1508.00
	2.1.4	(iv) Girth above 1800 mm	2.00	1460.00	Each	2920.00
3	2.4	Dismantling up to 1.5m in foundation and/or 1.5m above ground level including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material, and stacking serviceable material with in a lead of 1000m. [MoRTH Specification clause 202]				
(i)	2.4.1.2.1	Cement concrete grade M-15 & M-20.	1218.75	358.00	Cum	436312.50
(ii)	2.4.3.2	Rubble stone masonry in cement mortar	159.00	248.00	Cum	39432.00
4		Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and unserviceable materials separately as per MoRTH specification clause 202.By Mechanical Means: Bituminous courses	385.00	191.00	Cum	73535.00

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
5	2.6	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and unserviceable materials separately as per MoRTH specification clause 202.	595.00	972.00	Cum	578340.00
6	3.1.2.2	Earth work in excavation, including stacking/disposal of surplus material with all lifts and lead up to 50 meters, exclusive of compensation of earth [MoRTH specification: Clause 301 to 305] When excavation and loading is done mechanically using Bull Dozer, Front-end loader and carriage is done up to 1 Km. by tipper/dumper (6T capacity).	13042.45	65.00	Cum	847759.25
7		Loosening, leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by vibratory roller 8-10 Tonne to achieve minimum dry density as given in Table 300-2 for embankment construction as per MoRTH specification Clause No. 305.3.4.	6167.23	31.00	Cum	191184.13
8		Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted by vibratory roller 8-10 Tonne to meet requirement of Table 300-2 as per MoRTH specification Clause No. 305.	2137.88	119.00	Cum	254407.72
9		Construction of sub grade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to require slope and compacted by vibratory roller 8-10 Tonne to meet requirement of Table 300-2 as per MoRTH specification Clause No. 305.	5908.43	229.00	Cum	1353030.47

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
10	4.3.1	Providing laying spreading and compacting specified graded sand, gravel (crushed stone) as per Table 400-1,400-2 or any other course material as per design mix, as per CBR in sub base course including premixing the material at OMC in wet mix plant, carriage of mixed material spreading in uniform layers with motor grader F.E loader on a prepared base and compacting with vibratory roller to achieve desired density (as per I.S.2720) including all material, labor, machinery, lighting guarding, barricading and maintenance of diversion complete.[MoRTH specification: Clause 401]. By mechanical means with lead up to 20 km For Grading I Material	7953.08	850.00	Cum	6760118.00
11	4.10	Construction of Median and Island above road level with approved material (deposited at site from roadway cutting and excavation for drain and foundation of other structures), spreaded, graded and compacted as per MoRTH specification clause 407.	2160.00	145.00	Cum	313200.00
12	4.9	Providing, laying, spreading and compacting stone aggregate for Wet Mix Macadam (as per table 400-10 and 400-11) specification including premixing the material with water to OMC in wet mix plant as per approved design mix, carriage of mixed material by Tipper to site, laying in uniform layers with motor grader/Front end Loader/paver finisher, in sub base/ base course on a well prepared under base and compacting with vibratory roller to achieve the desired density including lighting, guarding, barricading and maintenance of diversion etc. (MoRTH specification: Clause 406) by mechanical means with lead up to 20 Km.	6218.70	1366.00	Cum	8494744.20
13		Providing and applying primer coat over prepared surface or granular base with bitumen emulsion SS-1 as per IS: 8887 & manufacturer's specifications @ 7 to 10 kg /10 Sqm with a self propelled or towed bitumen pressure sprayer equipped for spraying the material uniformly at specified rates and temperatures as per MoRTH specification CI 502 & 112 ( Including cleaning of road surface )	24319.75	19.00	Sqm	462075.25

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
14	5.2	Providing and applying tack coat on the prepared surface, with bitumen emulsion RS-1 as per IS: 8887 & manufacturer's specifications @ 2.5 to 3.00 kg /10sqm. With a self propelled or towed bitumen pressure sprayer equipped for spraying the material uniformly at specified rates and temperatures as per MoRTH specification Clause 503 & 112 (Including cleaning of bituminous road surface)	30084.75	9.25	Sqm	278283.94
15	5.6.1	Providing and laying Dense Bituminous Macadam on prepared surface with specified graded crushed aggregates as per table 510 and design mix for base/binder course including loading of material with Front end loader, heating of binder (including cost of anti-stripping compound wherever required) aggregate and filler in hot mix plant 40-60 TPH, transporting the mixed material by tippers and laying with sensor paver finisher as per clause 507.3.5 to the required level and grade rolling by self propelled power rollers and vibratory rollers or pneumatic tyred roller 150-250KN. TP=0.7MPa to achieve the desired density (approved by the department) but excluding cost of primer/tack coat. [MoRTH Specification: Clause 507 & 112] Grading I (40 mm nominal size) - Bitumen @ 4.0 - 4.5 % of mix (60/70 grade) VG 30 & thickness 50 - 75 mm with lead of mix material 20km VG 30	3008.48	6065.00	Cum	18246431.20
16		Providing and laying bituminous concrete as per design mix on prepared surface with specified graded stone as per table 500-18 for wearing course including loading of aggregate with Front end loader and hot mixing of binder (including cost of anti-stripping compound, wherever required) and 3% filler with aggregates in hot mix plant 40-60 TPH Transporting the mix material with tipper and laying with sensor paver finisher (as per clause 507.3.5) to the required level, grades and rolling with vibratory compactor and pneumatic tyred roller 150-250 KN,TP=0.7 Mpa, to achieve the desired density (approved by the department) excluding cost of primer/tack coat (MoRTH Specification: Clause -509 & 112) Grading II (13 mm nominal size) - Bitumen @ 5 % of mix & thickness 30 - 45 mm with lead of mix material 20km 60/70 grade VG 30	1203.39	7367.00	Cum	8865374.13
17		Cost of bitumen to be added / subtracted when it varies from job mix formula adopted in any of the above items.60/70 Penetration grade VG 30	11.31	35000.00	Tonne	395850.00

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
11	6.1	Construction of dry lean cement concrete Subbase over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.	1974.75	2151.00	Cum	4247687.25
12	6.2	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing CC design mix grade M40	3291.25	6046.00	Cum	19898897.50
13	8.40.1	Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (New construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98- 1997 and approved drawings. Single row for one utility service	1887.50	906.00	Rmt.	1710075.00

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
14	8.55	Marking Centre Line stop lines etc. on road as per IRC pattern with thermoplastic paint of approved quality and make with 8% glass beads laid on the road surface at temperature 160° C with a special applicator machine complete with labour, material and traffic diversion arrangements.	1998.30	746.00	Sqm	1490731.80
15	12.1.1	Earth work in excavation for foundation of structure complete with all lift, dewatering shoring and shuttering etcincluding refilling of trenches in 25.mm layers, ramming, watering and disposal of surplus soil within a lead of 1000 meters, as per drawing and technical specification.[MoRTH Specification: Clause: 304] In ordinary Soil [MoRTH Specification: Clause: 301] Depth up to 3m	4649.22	115.00	Cum	534660.30
16	9.2	Providing and laying Plain cement concrete M15 mix with stone aggregate 20mm nominal size mechanically mixed and vibrated, in foundation up to a depth of 1.50 below Ground level and or 1.50 meters above ground/bed level.	654.57	4012.00	Cum	2626134.84
17	9.22	Providing and laying cement concreting including curing compaction etc. complete using stone aggregate 20mm nominal size mechanically mixed & vibrated in foundation and plinth including the cost of shuttering if required. M-20 grade mix 1:1.5:3 (1 cement: 1.5 sand: 3 graded stone aggregate).	1254.00	4774.00	Cum	5986596.00
18	12.12.1	Providing and laying Steel reinforcement at any level in foundation complete as per drawing and technical Specification.[MoRTH Specification: Section: 1600(N)] HYSD bar reinforcement	62.70	60602.00	Tonne	3799745.40
19	S-3.34.4	Supplying & Fixing R.C.C. Manholes covers with frame of approved make (Light duty). Size 600 X 600mm (Double seal)	220.00	348.00	Each	76560.00
20	9.32.1	Providing and laying Precast reinforced cement concrete Box culvert section of M-40 grade designed for 'AA' class loading as per IRC specifications including to effect of impact, EQ etc. complete on form base of 200mm thick lean concrete of M-10 grade with aggregate of size 40mm nominal of following internal size the work includes required safety measures construction of drain for diversion of flowing water cost of design of RCC Precast Box and its proof checking from IIT/MNIT Jaipur complete in all respect as per specifications Size 2.00 M x 2.00 M		54601.00	Mtr	3439863.00

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
21	9.32.8	Providing and laying Precast reinforced cement concrete Box culvert section of M-40 grade designed for 'AA' class loading as per IRC specifications (-do-) Size 1.00 M x 1.00 M	27.00	17157.00	Mtr	463239.00
22	9.32.9	Providing and laying Precast reinforced cement concrete Box culvert section of M-40 grade designed for 'AA' class loading as per IRC specifications (-do-) Size 0.75 x 0.75 M	90.00	11342.00	Mtr	1020780.00
20	8.49.2	Providing and fixing of Precast concrete interlocking blocks of 60mm thick manufactured from fully computerized automatic stationery hydraulic vibro pressed machine & full computerized automatic batching plant of class as per IS: 15658-2006. The C.C. interlocking paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub base as defined. The work includes earth work in cutting of B/T road, cutting of WBM road and disposal of unserviceable material with all leads & lifts and stacking of serviceable material complete job is to be executed as per the instructions of Engineer-in-charge. The rates to be inclusive of all lead, lifts & taxes General specification of Blocks:60mm thick, Heavy traffic category, M35 Grade designation blocks	4650.00	552.00	Sqm	2566800.00
21	10.29	Providing and fixing steel gate grating and grills made of angles, tees, square bars or other flats black pipe with hold fast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide.		73.00	Kg	113926.72
22	9.31	Providing and fixing cement concrete Precast Kerb or Dand of M-15 grade concrete up to 60 cm length over 20mm thick base of CM (1:6) including required Earth work, cutting of WBM and BT surface Pointing & jointing with cement mortar (1:4) of shape as approved by the Engineer-in-charge the work includes providing laying and compacting base concrete (1:5:10) 100mm thick below Dand/Kerb complete in all respect as per specifications size (20.5+25.0)/2x30cm		Å	Rmt	1579750.00
23	8.33	Providing, fixing and erecting 50 mm dia tubular steel pipe railing as per IS 1239 in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm x 1.2 meter high above ground, 2 mm centre to centre, complete as per approved drawings as per MoRTH specification CI. 808.		1205.00	Rmt	723000.00

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
24	12.6.2	Stone masonry work in cement mortar 1:3 with mechanical mixer for foundation (any level) complete, including all scaffolding etc., excluding pointing and plastering as per drawing and technical specification. [MoRTH Specification: Section 1000,1400] Random Rubble Masonry (coursed/un-coursed).		3659.00	Cum	2182373.96
25	13.2.2.1	Stone masonry work in cement mortar 1:3 for substructure complete, with scaffolding excluding pointing and plastering as per drawing and technical specification [MoRTH Specification: Section 1400] Random Rubble masonry (coursed/un-coursed) Up to 5 meter height	779.70	3842.00	Cum	2995607.40
26	13.3.2.3.	Structural Cement concrete for plain concrete/ reinforced concrete for substructure at any level, complete as per drawing and technical specification. Using Batching Plant, Transit Mixture, and Concrete Pump.Design mix concrete- [MoRTH Specification: Clause 1500(N), & 1700(N)] R.C.C R.C.C.M30 grade, including formwork	78.00	4665.00	Cum	363870.00
27	13.6.1	Steel reinforcement in substructure complete.[MoRTH Specification : Section 1600(N)] HYSD bar reinforcement	7.80	60733.00	Tonne	473717.40
28	13.4	Pointing of any design with cement mortar (1:3)on Brick / Stone work in substructure at any height [MoRTH Specification: Clause 1309]	855.20	56.00	Sqm	47891.20
29	13.5	Plaster on new surface with cement mortar (1:3) including racking of joint etc. complete fine finished 20mm thick.	91.20	112.00	Sqm	10214.40
30		Providing and fixing precast cement concrete coping 1:2:4 mix, 50mm thick complete as per specifications	28.00	208.00	Sqm	5824.00
31		Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification.	40.00	178.00	Mtr	7120.00
32	1	Structural Cement concrete for reinforced concrete/PSC in superstructure complete including steel formwork, scaffolding etc. as per drawing and technical specification. Using Batching Plant, Transit Mixture, and Concrete Pump. Design mix concrete [MoRTH Specification 1500(N)&1700(N)] M 30 grade Solid slab superstructure Height up to 5m	193.93	5094.00	Cum	987879.42

S.No.	BSR Item Ref.	Particulars of Item	Quantity	Rate	Unit	Amount
33	14.2	Providing and laying HYSD bar reinforcement at any level in superstructure complete as per drawing and technical specification .[MoRTH Specification 1600(N)]		61867.00	Tonne	573507.0
35	14.10	P&F on culverts/ bridges deck rain water spouts made of cast iron as per MoRTH specification complete	8.00	1595.00	Each	12760.0
36		Supply of Swiss Type Bollard made out of 1.25 mm thick M.S. sheet, total height 135 cm, the lower portion is made in tapered circular section having upper dia 15 cm and lower dia 20 cm with attachment of one mandatory plate 7 mm thick & fixed with the help of 7 cm long, 30mm dia chrome plated M.S. tube this part is fixed on the body with another attachment of a cap 30x7 cm. whole body is processed in black stoving enamel and mandatory plate in Azure blue, with one compulsory keep left arrow with 10mm border reflective strip each of 7.5 cm on body complete in all respect.	48.00	2027.00	Each	97296.00
37		Supply of Swiss type of Hazard marker, made out of 2 mm thick M.S. sheet size of box is 15x15 cm with hold fast at bottom, the body is painted in orange stoving enamel paint with white/high intensity grade micro-prismatic type sheeting, on all four side.	96.00	970.00	Each	93120.00
38	£	Supplying of Cat's Eye made of aluminum alloy size 75x100x22 mm having 21 biconvex enses embedded in circular disc of ABS plastic on each side.	785.00	246.00	Each	193110.00
39	1 s a s a g r b a	Supply or Retro-reflective Name Board size 1200x1200 made out of 2mm thick aluminum sheet fixed on post and frame made out or angle iron 50x50x6mm, 3M long using stainless steel nut bolts of 8 mm dia, aluminum sheet is covered with high intensity grade Retro-reflective sheeting and non eflective letters in black, post duly painted in lack and white synthetic enamel, complete in II respect. Confirming to MoRTH pecifications (1995) c1. 801.	10.00	24000.00	Each	240000.00
10	a in a:	ainting with superior grade enamel paint of pproved quality to give an even shade acluding writing littering figuring etc. complete as per IRC standards of:-Sign Boards. Traffic igns (Steel)	2591.00	108.00	Sqm	279828.00
	To	otal				106626619.53
		Say			Rs	1066.27 Lakh

(B.S.Sharma) Project Officer RSRDC Ltd. Unit Hindaun

(J.P.Meena) Project Director RSRDC<sub>2</sub>Ltd. Unit Mehandipur Balaji