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SITE MEETING NO 19 HELD ON 20 APRIL 2011 AT 10H00 AT THE SITE OFFICE, POMONA (96 MAPLE ROAD)

CONTRACT : NRA R.021-002-2008/2

UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN (km 1.18) to POMONA (km 12.81) INTERCHANGES (11.63kms)

SUMMARY OF CONTRACT DETAILS

EMPLOYER	CONSULTING ENGINEER	CONTRACTOR
The South African National Roads Agency Limited	VelaVKE Engineers	EsorFranki Civils (Pty)Ltd.
SANRAL, Northern Region Private Bag X17 **LYNNWOOD RIDGE** 0040 Tel : (012) 426-6200 Fax : (012) 348-0883	VelaVKE Engineers P O Box 72927 **LYNNWOOD RIDGE** 0040 Tel : (012) 481-3800 Fax : (012) 803-7943	EsorFranki Civils Private Bag X24 **HALFWAY HOUSE** 1685 Tel : (011) 822 - 3906 Fax : (011) 822 - 3036
FILE REF: N16/1/4-R0.21-002-2008/2	FILE REF: PN 112	FILE REF: 234
CONTACT PERSONS		
Mr.	Mr.	Mr.
	TENDER AMOUNT (CPA Exclusive and VAT Inclusive)	**FINAL ESTIMATE AMOUNT (CPA and VAT Inclusive)**
	R 396,721,340.59	R 417,778,485.29

CONTRACT COMMENCEMENT DATE:	29 June 2009
CONTRACT PERIOD:	11 months(Phase 1) / 20 months(Phase 2)
CONTRACT COMPLETION DATE:	28 May 2010(Phase1) / 28 February 2011(Ph 2)
EXTENSION OF TIME GRANTED: PHASE 1	47 Days
EXTENSION OF TIME GRANTED: PHASE 2	65 Days
TARGET CONTRACT COMPLETION DATE:	31 October 2011

THE NEXT MEETING WILL BE ON THE 24th May 2011
SITE INSPECTION COMMENCING AT 09H00 (LEAVING FROM SITE OFFICE) SITE MEETING TO FOLLOW AT 10h00 (AT THE SITE OFFICES)

THE SOUTH AFRICAN NATIONAL ROADS AGENCY
0184,

VKE CENTRE
230 Albertus Street
LA MONTAGNE PO Box 72927
LYNNWOOD RIDGE, 0040
TELEPHONE 012 481 3800
TELEFAX 012 803 7943

Email : coetzeec@velavke.co.za

VELA VKE

CONTRACT NO NRA R.021-002-2008/2

UPGRADING OF NATIONAL ROUTE R21 SECTION 1: RIETFONTEIN (km 1, 18) to POMONA (km 12, 81) INTERCHANGES (11, 63 kms)

EMPLOYER: **SOUTH AFRICAN NATIONAL ROADS AGENCY LIMITED**
CONSULTANT: **VELA VKE CONSULTING ENGINEERS**
CONTRACTOR: **ESORFRANKI CIVILS (PTY) LTD**

MINUTES OF SITE MEETING NO 19
HELD ON 20 APRIL 2011 AT 10h00
AT THE SITE OFFICE IN KEMPTON PARK

File No. PN112

ITEM	MINUTES OF MEETING	ACTION
	WELCOME	
19.1	The Chairperson, Mr , welcomed all present to the meeting.	Info
	ATTENDANCE	
19.2	**Present**	
	An attendance register was circulated.	Info

Name	Company	Tel/Cell No.	E-Mail
	SANRAL		
	Vela VKE		
	Vela VKE		
	Vela VKE		
	EsorFranki		
	EsorFranki		
	EsorFranki		

19.3	**Apologies**	

File No. PN112

ITEM	MINUTES OF MEETING	ACTION

APPROVAL OF MINUTES

The minutes of the previous meeting was accepted without any alterations.

19.4 **CONTRACT ADMINISTRATION**

Representation

19.5

Name	Company	Position
	SANRAL	Employer's Representative
	Vela VKE	Engineer
	Vela VKE	Project Manager
	Vela VKE	Quality Manager
	Vela VKE	RE
	Vela VKE	ARE
	Vela VKE	Laboratory Manager
	EsorFranki Civils	Managing Director
	EsorFranki Civils	Contracts Manager
	EsorFranki Civils	Site Agent
	EsorFranki Civils	Assistant Site Agent
	EsorFranki Civils	Commercial Manager
	EsorFranki Civils	Traffic Safety Officer
	EsorFranki Civils	Traffic Safety Officer
	EsorFranki Civils	OSHAct Safety Officer
	EsorFranki Civils	QS
	EsorFranki Civils	Asphalt Engineer

Documentation

19.6 Letter has been received indicating as the FIDIC Representative — Info

Insurances

19.7 Contractor to forward documentation on the extension of the insurance for the extended contract period to the Engineer. (x2) — EsorFranki

				File No. PN112
ITEM	**MINUTES OF MEETING**			**ACTION**
19.8	**Contractual Dates**			
	Site Handover		29 June 2009	
	Commencement Date		29 June 2009	
	Contract Completion Date	Phase 1:	28 May 2010	
	Revised Completion Date	Phase 1:	11 August 2010	
	Estimated Completion Date	Phase 1:	15 March 2011	
	Contract Completion Date	Phase 2:	28 February 2011	
	Revised Completion Date	Phase 2:	24 May 2011	
	Estimated Completion Date	Phase 2:	31 October 2011	
	Contract Period (Original)	Phase 1:	11 months	
	Contract Period (Original)	Phase 2:	20 months	
	Total Extension of Time Approved – Phase 1:		47 working days	
	Total Extension of Time Approved – Phase 2:		66 working days	
	Actual delays – Phase 1:		101 working days	
	Actual delays – Phase 2:		111 working days	
19.9	Delays due to inclement weather, consequential or other reasons must be agreed and signed off on a daily basis when it occurs.			VVKE / EsorFranki
	See Appendix XII			
	ENVIRONMENTAL MANAGEMENT PLAN			
19.10	Monthly EMP report for March 2011 and April 2011 were submitted. SANRAL			Info
19.11	quarterly safety audit carried out by ECA – No NCR's were issued. Contractor received 90%			Info
	SITE ADMINISTRATIVE MATTERS			
	Camp Establishment			
19.12	No discussion			
	Working Hours			
19.13	*** Mondays to Fridays :**	**07h00 to 17h00**		
19.14	*** Saturdays:**	**07h00 to 14h00**		
19.15	*** Night Shift:**	**20h00 to 05h00**		
19.16	Easter weekend closure will be from the 21st April 2011 at 12h00 until the 28th April 2011 at 07h00.			Info
19.17	Contractor to apply for permission to work on Public holidays.			EsorFranki

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
	Site Security	
19.18	There are still 18 guards on site during the night.	Info
19.19	Cable theft between Pomona and Atlas is ongoing.	Info
19.20	Security guards attacked with crowbars at night. Details to be forwarded to SANRAL	VVKE
	RESOURCES ON SITE (PLANT, MATERIAL AND LABOUR)	
19.21	No Discussion. **See Appendices IIA and IIB**	
	SUB CONTRACTORS AND SMME'S	
19.22	No Discussion **See Appendix IIIA**	
19.23	**LABOUR AND BLACK ECONOMIC EMPOWERMENT**	

DATE: MARCH 2011

ITEM	TENDERED %	% OF TOTAL TO DATE	% UTILIZATION TO DATE
BEE/ SMME	26.26	16.95	26.30
LABOUR	12.49	8.97	13.87

	See Appendices IIIB, IVA and IVB	
	COMMUNICATION AND PUBLIC AUTHORITIES	
19.24	Rates Accepted. To proceed with works North of Pomona.	VVKE/ EsorFranki
19.25	An internal meeting about electrical supply will take place at Ekurhuleni tomorrow. Feedback awaited.	EsorFranki / VVKE
19.26	Copy of VO to go to Solly to discuss with Ismail.	VVKE / SANRAL
	OCCUPATIONAL HEALTH AND SAFETY	
19.27	Next Safety Audit to commence on 20/04/11.	Info
	Health and Safety File	
19.28	In place.	EsorFranki

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
	Incident and Accident statistics	
19.29	3 new accidents since last month	Info
19.30	Records are kept of all Incidents and Accidents.	EsorFranki
19.31	To date there has been 394 traffic accidents of which 15 have been Construction related.	Info
19.32	The outstanding 3rd party claims were resolved.	Info
	See Appendices I and XIII B	
	TRAINING	
19.33	Road building training to commence again in May 2011	Info Info
19.34	15 more Flag persons were trained during the past month.	EsorFranki
19.35	Training must be completed within budget.	
	SERVICES	
19.36	Telkom optical service sleeve was hit on North Bound yesterday. A full report is to be composed and filed on incidents file	EsorFranki
19.37	Ekurhuleni are switching off power to lights when accounts are not paid by Gautrans. Meeting held today to sort out issues with Ekurhuleni.	Info
	CONTRACT DRAWINGS	Info
19.38	Updated Electrical drawing for phase 2 with Griffiths Interchange streetlights was issued on 04/04/11.	
	See Appendix VI	
	TOLL GANTRIES AND VMS SIGNS	EsorFranki
19.39	Overhead gantry for TG44 will be erected early May 2011.	Info
19.40	Overhead gantry for TG43 was erected last month.	
	BEACONS AND BENCHMARKS	
19.41	No discussion	
	ACCOMMODATION OF TRAFFIC AND HAUL ROADS	
19.42	No discussion	

File No. PN112

ITEM	MINUTES OF MEETING	ACTION

PAYMENT CERTIFICATES

19.43 **INTERIM PAYMENT CERTIFICATE SUMMARY**

Cert. No.	Date submitted to Employer	Value of certificate (Incl. CPA and VAT)	Retention	Date paid by employer
1	22/07/09	R 39,672,288.04	R 0.00	13/08/09
2	01/09/09	R 8,948,123.51	R 0.00	17/09/09
3	28/09/09	R 4,610,948.89	R 0.00	08/10/09
4	30/10/09	R 10,408,291.40	R 0.00	18/11/09
5	30/11/09	R 12,662,830.91	R 0.00	08/12/09
6	10/12/09	R 9,106,918.85	R 0.00	21/12/09
7	29/01/10	R 5,746,414.59	R 0.00	16/02/10
8	23/02/10	R 8,489,287.31	R 0.00	17/03/10
9	25/03/10	R 17,037,984.71	R 0.00	31/03/10
10	04/05/10	R 16,637,646.23	R 0.00	31/05/10
11	05/05/10	R 23,179,233.10	R 0.00	17/06/10
12	30/06/10	R 7,621,777.39	R 0.00	15/07/10
13	02/08/10	R 6,914,677.35	R 0.00	12/08/10
14	06/09/10	R 6,635,560.35	R 0.00	16/09/10
15	22/09/10	R 10,768,939.85	R 0.00	07/10/10
16	22/11/10	R 19,287,399.65	R 0.00	16/12/10
17	30/11/10	R 33,434,835.86	R 0.00	15/12/10
18	04/03/11	R 10,779,410.04	R 0.00	16/03/11
19	17/03/11	R 11,729,340.85	R 0.00	31/03/11
TOTAL		**R 263,672,441.90**	R 0.00	

19.44 Cashflows must be realistic. — EsorFranki / VVKE

19.45 Contractor submitted a letter stating they wish to continue with the joint lab venture. — EsorFranki

MATERIALS AND TESTING

Borrow Pits and Commercial Sources

19.46 G1 Base from Aflease quarry became available again during the past month. — Info

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
	Testing of Materials	
19.47	No Discussion	
	See Appendix XVIIB	
	Approval of mix designs	
19.48	Contractor requested Pronto as a backup concrete mix for median barrier high wall. Correspondence to be sent to RE	EsorFranki
	See Appendix XVIIA	
	PROGRAMME AND PROGRESS	
19.49	**Phase 1:**	
	• Estimated completion on Phase 1 is for the end of April 2011. Excluding Hydro seeding and Concrete Palisade fencing.	
	• Kerbs and backfill at Voortrekker IC to be installed.	
	• Concrete palisade fencing. Estimated completion – End September 2011.	
	• Contractor Requested handover of Lights. Inspection of lighting to occur after Easter.	Info
19.50	**Phase 2:**	
	• 16 weeks behind. (2 weeks recovered since last meeting)	
	• Median Barrier Wall: - 4600m base has been complete.	
	- 20% of High wall Complete.	
	• Re-alignment on North Bound Carriageway in progress with rockfill and selected layers being placed.	
	• Verge widenings on North Bound Carriageway have commenced.	
	• Side drains progressing well.	
	• B2658 decks were cast and stitch has been completed. Parapets to be placed.	
	• B2659 – decks were cast.	
	• New UTFC to be placed on the R24 for remarking - Estimated to be completed by 28th of May.	Info
	See Appendices IXA , IXB , XI and XII	
	PLANNING	
	Information Required by the Employer	
19.51	Revised Programme. (Separate for Phase 1 and 2)	EsorFranki
19.52	Updated Cashflow. (Separate for Phase 1 and 2)	EsorFranki
	Information Required by the Consultant	
19.53	A report as to why Contractor is experiencing such a big time delay was submitted.	Info

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
19.54	Details for Supplier of New Jersey barriers for Bridges 2658 and 2659.	EsorFranki
19.55	List of Approved VO's (x3)	SANRAL
	Information Required by the Contractor	
19.56	Update on electrical payment from Ekurhuleni.	VVKE
19.57	Feedback about the progress of the electrical supply at Griffiths. Waiting on final approval from municipality.	VVKE
19.58	Setting out details for R24/R21 Split roadmarkings.	VVKE
	SPECIFICATIONS AND QUERIES	
19.59	No Discussion **See Appendix V**	
	VARIATIONS AND INSTRUCTIONS	
19.60	VO's Approved: VO – 1. VMS Gantries Manufacturing.	Info
19.61	VO's Submitted to Employer : VO – 2A. VMS Recomissioning of Gantry. VO – 2B. VMS Installation of Footing. VO – 2C. VMS Installation of Signs VO – 4A. Toll Gantry 43. VO – 4B. Toll Gantry 44. VO – 3. Guardrails on steel posts. VO – 5. Rockfill VO – S-01. Median Barrier Wall	SANRAL
19.62	VO's at Engineer: VO – 6. Fencing VO – 7. Roadstuds VO – E-01. VMS Electrical VO – E-02. Toll Gantries. VO – E-03. Payment Atlas I/C connection fee.	VVKE
19.63	VO's at Contractor: VO – 8. Drainage Improvement at Pomona VO – 9. MBW Insitu cast sections VO – 10. Rockfill (Phase 2)	EsorFranki
19.64	Client to forward list of approved VO's to RE. (x3) **See Appendix VII**	SANRAL

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
	STANDARD OF WORKS	
19.65	No Discussion	
	See Appendix XA	
	DELAYS AND FRUSTRATIONS	
19.66	Theft on site.	EsorFranki
	CLAIMS AND DISPUTES	
19.67	Contractor awaiting reply from Engineer about Claim for Contraflow.	VVKE Info
19.68	Additional information required by Engineer was submitted	EsorFranki
19.69	The Contractor intends to submit a 3rd claim for extension of time for drainage works.	
	See Appendices XIIIA and XIIIB	
	NEXT SITE MEETINGS	
19.70	Site inspections at 09h00 followed by the Site meetings to be held on site at 10h00 on the following dates:	
	No. 20: Tuesday 24 May 2011	
	No. 21: Tuesday 28 June 2011	
	No. 22: Tuesday 26 July 2011	
	No. 23: Tuesday 30 August 2011	
	NEXT DAB MEETING	
19.71	**No. 5:** Wednesday 05 May 2011 at 09H00	

		File No. PN112
ITEM	**MINUTES OF MEETING**	**ACTION**
19.72	**APPROVAL OF MINUTES:** **----------** **VelaVKE / MME** **----------** **ESORFRANKI CIVILS (PTY) LTD** **----------** **SANRAL**	

APPENDICES INDEX

No:	APPENDIX No:	DESCRIPTION
1		COVER PAGE
2		MINUTES OF THE MEETING
3		INDEX
4	APPENDIX I:	ACCIDENTS AND INCIDENTS
5	APPENDIX II A:	CONTRACTOR'S PLANT
6	APPENDIX II B:	SITE STAFF
7	APPENDIX III A:	SUBCONTRACTORS
8	APPENDIX III B:	RDP CONTRACT PARTICIPATION GOAL
9	APPENDIX IV A:	RDP - TRAINING
10	APPENDIX IV B:	RDP – LABOUR ENHANCEMENT
11	APPENDIX V:	SITE MEMOS ISSUED
12	APPENDIX VI:	DRAWINGS ISSUED
13	APPENDIX VII:	VARIATION ORDERS
14	APPENDIX VIII:	DAYWORK
15	APPENDIX IX A:	FINANCIAL PROGRESS REPORT
16	APPENDIX IX B:	PROGRESS DIAGRAM
17	APPENDIX X A:	SUBSTANDARD WORK
18	APPENDIX X B:	PENALTIES
19	APPENDIX XI:	CONTRACTUAL EXPENDITURE
20	APPENDIX XII:	CONTRACTUAL DATES
21	APPENDIX XIII A:	CLAIMS – CONTRACTOR
22	APPENDIX XIII B:	CLAIMS – THIRD PARTY
23	APPENDIX XIV:	SUMMARY OF CALL-OUTS
24	APPENDIX XV:	RECORDED DAMAGES AND COST RECOVERY
25	APPENDIX XVI:	EMERGENCY TELEPHONE NUMBERS
26	APPENDIX XVII A:	MATERIALS/DESIGN SUBMISSION SCHEDULE
27	APPENDIX XVII B:	MATERIALS QUALITY CONTROL\
28	APPENDIX XVIII:	BBEE DATA
29	APPENDIX XIX:	ENVIRONMENTAL REPORT
30	DISTRIBUTION	LIST

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
2011/04/20

APPENDIX I : ACCIDENTS & INCIDENTS

Note: Descriptions of any accident during occurring on the site shall record the parties involved (including 3rd parties), extent of injury and damage to property and possible cause (particularly whether it is construction related or not). Accidents listed since previous meeting

DATE	LOCATION	ACCIDENT REPORT No.	PARTIES INVOLVED	DESCRIPTION	CONSTRUCTION RELATED YES / NO
10/03/11 08H00	R21 North Bound km 6,8	395	1) Toyota Tazz (Black) (RHX 407GP) 2) Toyota Dyna (White) (WDJ 029GP)	Vehicle 2 collided with vehicle 1 forcing it off the road	No
11/03/11 07H33	R21 Griffiths Off Ramp	396	1) VW Golf (Black) (VZB 905 GP) 2) Mercedes (EsorFranki) (WGP 176 GP)	Bus was busy exsiting from working area when flagman was trying to stop traffic, vehicle 1 passed him at high speed and collided with the bus	Yes
11/03/11 07H45		397	1) Hyundai H100 (White) (TJP 094GP)	Vehicle's back wheel burst and vehicle overturned	No
13/0311 01H16	R21 South Bound Witbank Off Ramp	398	1) Nissan Sentra (Maroon) (WZB 744GP) 2) Nissan Sentra (Blue) (TJR 435GP)	Vehicle 2 collided with vehicle 1 due to the driver of vehicle 1 realising too late that she was in the incorrect lane and tried to get back on the highway.	No
14/03/11 07H47	R21 North Bound km 3,8	399	1) VW Jetta (Grey) (ZGY 404GP) 2) Mercedes (White) (TKK 372GP) 3) Opel Kadett (White) (PVD 095GP) 4) Isuzu Truck (White) (WWM 072GP)	Vehicle 1 slammed on brakes and vehicle 2 collided with it, vehicle 1 lost control and spun, hitting vehicle's 3 and 4	No
21/03/11 11H50	R21 South Bound km 3,0	400	1) Ford Focus (PKJ 414GP) 2) Hyundai LDV (White) (ZWW 918GP)	Vehicle 2 collided with vehicle 1	No
21/03/11 17H15	R21 North Bound km 11,7	401	1) Toyota Corolla (Blue) (XKZ 044GP)	Vehicle's back wheel burst, vehicle spun out of control and collided with a guardrail	No
22/03/11 11H50	R21 Under Airport Bridge (2569)	402	1) Toyota RAV4 (White) (NNL 415GP)	Vehicle had a puncture and stopped on the island, when approached by the flagmen the driver tried to pull away and lost control of vehicle and collided with the barriers.	No
23/03/11 08H00	R21 South Bound km 11,75	403	1) Toyota RAV4 (Charcoal) (WGL 549GP) 2) BMW Motorcycle (Silver) (MXR 446GP) 3) White LDV	Vehicle 1 slowed for a stationery vehicle and was hit by vehicle 2 and 3 from behind	No
25/03/11 08H20	R21 North Bound km 6,8	404	1) Ford Bantam (Silver) (VBW 559GP) 2) VW Minibus (White) (WRZ 288GP)	Vehicles collided with each other in the slow lane	No
26/03/11 14H40	R21 South Bound km 11,9	405	1) Toyota Yaris (Blue) (ZRY 421GP) 2) Toyota Yaris (Red) (TBR 728GP)	Vehicle 2 was stationary on highway when vehicle 1 collided with it	No
29/03/11 10H10		406	1) Mercedes Water Truck (White) (YTL 415GP) 2) Nissan Truck (White) (BRK 950L)	Both vehicles were turning at robots, when vehicle 2's bumper caught the bullbar of vehicle 1	Yes
29/03/11 18H45	R21 North Bound km 7,8	407	1) BMW 320D (Red) (NSZ 398GP)	Driver of vehicle lost control and hit the guardrails	No
01/04/11 03H10	R21 North Bound km 7,7	408	1) Toyota Hino (YLL 029GP)	The truck was doing maintenance when a bakkie hit the crate box. The bakkie fled the scene	Yes
03/04/11 16H35	R21 North Bound km 4,6	409	1) VW Polo (White) (VCK 477GP) 2) Subaru Impreza (Red) (YDB 339 GP) 3) Isuzu Truck (White) (SKY 812GP)	Vehicle 3 braked too late and collided with vehicle 2 and vehicle 2 collided with vehicle 1	No
04/04/11 22H20	R21 South Bound Griffiths Off Ramp	410	1) BMW 320i (Brown) (YSN 061GP) 2) Toyota Auris (Blue) (ZNJ 488GP) 3) Hyundai i20 (Silver) (YTS 797GP)	Vehicles collided with each other	No
04/04/11 01H35	R21 South Bound Griffiths On Ramp	411	1) Mercedes Tipper (EsorFranki) (YRF 385 GP) 2) Nissan Nirvara (White) (XFX 661 GP)	Vehicle 1 was crossing the bridge at the robot when he collided with vehicle 2	Yes
05/04/11 11H20	R21 South Bound km 2,1	412	1) Truck with trailor (White) (NVL 508 GP)	Vehicle was travelling too fast and did not see stationary traffic ahead and collided with the barriers, spilling diesel and oil	No
09/04/11 20H32	R21 North Bound km 1,5	413	1) Mini Cooper (Yellow) (SJR 627 GP)	Vehicle was travelling from N12 at high speed and collided with the concrete barriers	No
13/04/11	R21 South Bound	414	1) Toyota Venture (Green) (TFL 000 GP)	Driver lost control of vehicle from Griffiths off-ramp, hitting street lamp and	No
15/04/11 17H05	R21 South Bound km 10,5	415	1) Mercedes Tipper (EsorFranki) (WDF 204 GP)	Driver failed to retract tipbin and collided with an overhead bridge	Yes
16/04/11 06H46	R21 South Bound km 10,15	416	1) Toyota Corolla (White) (YXH 561 GP) 2) VW Caddy (White) (XRP 354 GP) 3) Ford Bantam (White) (XCC 275 GP)	Vehicle 2 was assisting vehicle 1, when vehicle 3 collided with vehicle 2, vehicle 2 collided with vehicle 1	No
16/04/11 18H50	R21 North Bound Griffiths On Ramp	417	1) Isuzu Bakkie (Silver) (ZHZ 295 GP) 2) Audi A4 (Silver) (SLB 081 GP)	Vehicle 2 collided with vehicle 1	No
16/04/11	R21 North Bound Griffiths On Ramp	418	1) Toyota Quantum (White) (TZZ 677 GP) 2) Toyota Runx (Silver) (PDF 889 GP)	Vehicle 1 collided with vehicle 2	No
18/04/11 11H35	R21 North Bound km 3,8	419	1) Nissan Murano (Silver) (SYV 252 GP) 2) Toyota Corolla (Red) (XNF 286 GP)	Vehicle 1 struck a barrier causing other barriers to move and hit vehicle 2	No
18/04/11 12H30	R21 North Bound km 6,1	420	1) VW Golf (Black) (TJW 152 GP) 2) Toyota Yaris (White) (ZCH 197 GP)	Both vehicles swirved for a truck and collided with each other	No
18/04/11 16H33	R21 South Bound km 9,0	421	1) Toyota Bakkie (White) (ZSS 724 GP) 2) Nissan Hardbody (White) (NMC 211GP)	Vehicle 1 was towing vehicle 2, when the rope snapped and vehicle 2 rolled	No
19/04/11 09H01	R21 North Bound km 1,14	422	1) Mercedes C180 (Silver) (ZSY 312 GP) 2) Peugeot Boxer (White) (ZLB 070 GP)	Vehicle 1 slammed on brakes and vehicle 2 collided with it	No
19/04/11 19H20	R21 Griffiths Bridge	423	1) Hyundai (Black) (XXN 847 GP) 2) Toyota Camry (White) (WZX 986 GP)	Vehicle 2 turned at the robots and collided with vehicle 1	No
20/04/11 07H26	R21 South Bound km 8,2	424	1) Unkown vehicle 2) Hyundai i20 (Silver) (TZC 468 GP) 3) Land Rover Freelander (Bronze) (SDP 595 GP)	Vehicle 1 and 2 vehicle braked and vehicle 3 collided with vehicle 2 and vehicle 2 with vehicle 1. Driver of vehicle 1 drove off	No

Construction Related
No Details
Pending Information
Missing reports

APPENDIX IIA : CONTRACTOR'S PLANT

Ownership shall reflect whether the plant listed in the table below is registered in the Contractor's own name (I) which includes the Contractor's parent or related plant-hire company, or hired from an external source (E)

Recording of dates on and off shall include plant that is on site, but off hire.

ITEM OF PLANT		OWNERSHIP	COMPANY	DATE ON	DATE OFF
TYPE	MODEL	[E or I]]		Dates to be confirmed at next meeting	Dates to be confirmed at next meeting
Grader	140H	I	Patula	29-Jul-09	
TLB	Catepillar 424D	I	Patula	29-Jul-09	
Toyota Hilux 2.5 D4D		I	Patula	02-Aug-09	
Toyota Hilux 2.5 D4D		I	Patula	02-Aug-09	
7t Flat Truck (Traffic 1)	Hino	I	Patula	04-Aug-09	
7t Flat Truck (Traffic 2)	Hino	I	Patula	06-Aug-09	
12t Hamm Roller	Hamm 3412	I	Patula	06-Aug-09	
1000ltr diesel trailer	1000ltr	I	Patula	07-Aug-09	25-Nov-09
6m3 Tipper	Toyota	I	Patula	11-Aug-09	23-Sep-09
10t Crane			Patula	11-Aug-09	14-Aug-09
20t Excavator	Catepillar 320c	I	Patula	12-Aug-09	
25t Crane	Tadano	I	Patula	13-Aug-09	
Vms Trailer		I	Patula	18-Aug-09	
Vms Trailer		I	Patula	18-Aug-09	
Water cart	Merc	I	Patula	19-Aug-09	
Generator	Cat	E	Barloworld	28-Aug-10	15-Oct-09
4" Diesel Waterpump		E	Centenary Hire	02-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	02-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	02-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	02-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	02-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	04-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	04-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	04-Sep-09	
Bomag	BW75H	I	Patula	06-Sep-09	
Excavator	Caterpillar	I	Patula	07-Sep-09	13-Oct-09
Milling machine		I	Patula	07-Sep-09	24-Nov-09
Light Plants with Generator		I	Patula	09-Sep-09	
Light Plants with Generator		I	Patula	09-Sep-09	
Dozer	Caterpillar	I	Patula	12-Sep-09	14-Sep-09
TLB	Caterpillar	I	Patula	14-Sep-09	
Toyota Hilux 2.4 LWB		I	Patula	14-Sep-09	08-Feb-10
Water-truck	Merc	I	Patula	14-Sep-09	
Water-Truck	Merc	I	Patula	21-Sep-09	24-Sep-09
Smooth Drum Roller	Hamm 3412	I	Patula	21-Sep-09	
Recycling machine	Caterpillar	I	Patula	21-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	21-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	21-Sep-09	
10m3 Tipper Truck	Merc	I	Patula	21-Sep-09	
Toyota Hilux 2.4 LWB		I	Patula	02-Oct-09	
Generator	Olympian	I	Patula	04-Oct-09	
2.5 ton roller		I	Patula	10-Oct-10	03-Jun-10
27T Pneumatic roller		I	Patula	19-Oct-09	
Toyota Dyna 5ton	Toyota	I	Patula	02-Nov-09	09-Dec-09
Crane truck 8ton	Merc	I	Patula	02-Nov-09	
10m3 Tipper Truck		E	Five-Star Tippers	14-Nov-09	17-Nov-09
10m3 Tipper Truck		E	Five-Star Tippers	14-Nov-09	17-Nov-09
10m3 Tipper Truck		E	Liviero Plant	14-Nov-09	23-Nov-09
10m3 Tipper Truck		E	Liviero Plant	14-Nov-09	23-Nov-09
10m3 Tipper Truck		E	RTW Plant Hire	16-Nov-09	23-Nov-09
10m3 Tipper Truck		E	RTW Plant Hire	16-Nov-09	23-Nov-09
Breaker,Chisel,Moils		E	Perfomance	16-Nov-09	07-Jun-10
10m3 Tipper Truck	Merc	I	Patula	16-Nov-09	
10m3 Tipper Truck	Merc	I	Patula	16-Nov-09	
10m3 Tipper Truck	Merc	I	Patula	16-Nov-09	
10m3 Tipper Truck		I	Patula	16-Nov-09	
10m3 Tipper Truck		I	Patula	16-Nov-09	
Fuel bowser	Samag	I	Patula	05-Nov-09	
Rammer Wacker		E	Patula	25-Nov-09	
Milling machine		I	Patula	26-Nov-09	
Watertruck	Merc	I	Patula	12-Nov-09	
Excavator Wheeled		E	Ekurhuleni Plant	17-Nov-09	09-Apr-10
Grader	140H Cat	I	Patula	25-Nov-09	
Skidsteer loader	Cat	I	Patula	04-Dec-09	
Compressor		I	Patula	04-Dec-09	

Ownership shall reflect whether the plant listed in the table below is registered in the Contractor's own name (I) which includes the Contractor's parent or related plant-hire company, or hired from an external source (E)

Recording of dates on and off shall include plant that is on site, but off hire.

ITEM OF PLANT		OWNERSHIP	COMPANY	DATE ON	DATE OFF
TYPE	MODEL	[E or I]]		Dates to be confirmed at next meeting	Dates to be confirmed at next meeting
Crane truck 8ton		I	Patula	04-Dec-09	
Dozer		I	Patula	08-Dec-09	11-Jan-10
Rammer Wacker		E	Hire-Cor	06-Jan-10	09-Mar-10
Rammer Wacker		E	Hire-Cor	06-Jan-10	09-Mar-10
Rammer Wacker		E	Hire-Cor	06-Jan-10	
Rammer Wacker		E	Hire-Cor	13-Jan-10	
Rammer Wacker		E	Hire-Cor	13-Jan-10	
2.5 ton roller		E	Hire-Cor	13-Jan-10	02-Feb-10
Toyota Hilux 2.5 D4D		I	Patula	02-Feb-10	26-Feb-10
6m3 Tipper	Toyota	I	Patula	02-Feb-10	
6m3 Tipper	Merc	E	RTW Plant Hire	04-Feb-10	
Bomag	BW75H	I	Patula	01-Feb-10	26-Feb-10
Karoo Batch plant	Karoo 25	I	Patula	11-Feb-10	4-Sep-10
TLB		E	Letsatsi Plant	17-Feb-10	10-Apr-10
TLB		E	Letsatsi Plant	18-Feb-10	19-Apr-10
Ready Mix Truck	Mac	I	Patula	15-Feb-10	4-Sep-10
Mechanical Broom		I	Patula	24-Feb-10	
Tractor	Ford	I	Patula	24-Feb-10	
10m3 Tipper Truck		E	Ekurhuleni Plant	25-Feb-10	4-Jun-10
10m3 Tipper Truck		E	Ekurhuleni Plant	25-Feb-10	4-Jun-10
10m3 Tipper Truck		E	Ekurhuleni Plant	25-Feb-10	4-Jun-10
Concrete Cutter		E	Hire-Cor	02-Feb-10	
Toyota Hilux 2.5 D4D		I	Patula	02-Feb-10	28-May-10
TLB 424D	Cat	I	Patula	02-Mar-10	20-Jan-11
Grader 140H	Cat	I	Patula	03-Mar-10	20-Jan-11
Vib 12 ton Hamm		I	Patula	04-Mar-10	
Drive unit		E	Hire-Cor	04-Mar-10	
Excavator 320c LME	Cat	I	Patula	04-Mar-10	17-Mar-10
Grader	Cat	I	Patula	23-Mar-10	
TLB 424D	Cat	I	Patula	29-Mar-10	
TLB 424D	Cat	I	Patula	29-Mar-10	
Toyota Hilux		I	Patula	07-Apr-10	
10m3 Tipper Truck		I	Patula	07-Apr-10	
10m3 Tipper Truck		I	Patula	07-Apr-10	
Dozer		I	Patula	12-Apr-10	16-Apr-10
Isuzu		I	Patula	05-May-10	
Recycling machine		E	Express plant hire	14-May-10	21-May-10
Skidsteer loader		I	Patula	01-Jul-10	
Bomag		I	Patula	01-Jul-10	
Excavator		I	Patula	14-Jul-10	
Toyota Hilux		I	Patula	14-Jul-10	
Toyota Hilux		I	Patula	20-Jul-10	
Toyota Hilux		I	Patula	02-Aug-10	
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
10 m3 Tipper Truck		E	Richard Rentals	02-Aug-10	26-Aug-10
6 m3 Tipper Truck		E	Richard Rentals	04-Au-10	26-Aug-10
6 m3 Tipper Truck		E	Richard Rentals	04-Au-10	26-Aug-10
6 m3 Tipper Truck		E	Richard Rentals	04-Au-10	
6 m3 Tipper Truck		E	Richard Rentals	04-Au-10	
Tlb		I	Patula	04-Au-10	
Roller 12 ton		E	Ekurhuleni Plant	06-Aug-10	30-Sep-10
8 Ton Truck & Crane		I	Patula	16-Aug-10	
Recycling machine		I	Patula	27-Aug-10	18-Sep-10
Water cart 10000 l		E	Mantle Brothers	01-Sep-10	06-Oct-10

Ownership shall reflect whether the plant listed in the table below is registered in the Contractor's own name (I) which includes the Contractor's parent or related plant-hire company, or hired from an external source (E)

Recording of dates on and off shall include plant that is on site, but off hire.

ITEM OF PLANT		OWNERSHIP	COMPANY	DATE ON	DATE OFF
TYPE	MODEL	[E or I]]		Dates to be confirmed at next meeting	Dates to be confirmed at next meeting
Bus		I	Patula	11-Sep-10	
Excavator		I	Patula	16-Sep-10	22-Nov-10
Recycling machine		I	Patula	28-Sep-10	
Forklift		E	Mini Loaders	01-Oct-10	
6m3 Tipper		I	Patula	07-Oct-10	20-Jan-11
Dozer		I	Patula	08-Oct-10	
6 m3 Tipper Truck		I	Patula	20-Oct-10	20-Jan-11
Front end Loader		E	HB Civils	25-Oct-10	17-Nov-10
Water cart 14000l		E	Ekurhuleni Plant	25-Oct-10	
Long Hauler 20 m3		I	Patula	26-Oct-10	06-Jan-11
Long Hauler 20 m3		I	Patula	27-Oct-10	06-Jan-11
Excavator 30 ton		E	Ekurhuleni Plant	29-Oct-10	17-Nov-10
10 m3 Tipper Truck		E	Richard Rentals	29-Oct-10	15-Dec-10
10 m3 Tipper Truck		E	Richard Rentals	29-Oct-10	15-Dec-10
10 m3 Tipper Truck		E	Richard Rentals	29-Oct-10	15-Dec-10
10 m3 Tipper Truck		E	Richard Rentals	29-Oct-10	08-Feb-11
10 m3 Tipper Truck		E	Richard Rentals	29-Oct-10	08-Feb-11
Long Hauler 20 m3		I	Patula	05-Nov-10	06-Feb-11
Toyota Hilux 2.5 D4D		E	U Drive	11-Nov-10	
Front end Loader		I	Patula	16-Nov-10	20-Jan-11
Hamm Roller 2.5 ton		I	Patula	18-Nov-10	
Forklift		I	Patula	12-Jan-11	
10 m3 Tipper Truck		E	Ekurhuleni Plant	03-Feb-11	
10 m3 Tipper Truck		E	Ekurhuleni Plant	08-Feb-11	
10 m3 Tipper Truck		E	Ekurhuleni Plant	08-Feb-11	
10 m3 Tipper Truck		E	Ekurhuleni Plant	08-Feb-11	
6 m3 Tipper Truck		E	Richk Harding	16-Feb-11	02-Mar-11
6 m3 Tipper Truck		E	Richk Harding	16-Feb-11	02-Mar-11
6 m3 Tipper Truck		E	Richk Harding	16-Feb-11	
Bobcat		E	Chris Rose hire	24-Feb-11	
Bobcat		E	Chris Rose hire	09-Mar-11	
10 m3 Tipper Truck		E	RTW Plant Hire	14-Mar-11	
12Ton Roller		I	Patula	14-Mar-11	
Compressor		I	Patula	16-Mar-11	

CONTRACT No. NRA R0.21-002-2008/2 **SITE MEETING 19**
20-Apr-11

APPENDIX IIB : SITE STAFF

Note: 1.List complement of Contractor as well as sub-contractor site staff for full month preceding the site meeting and previous 3 months only.
2. Record the split between 'local' and non-local content where local means the immediate site environs.

DESCRIPTION	Month 19 Jan 11	Month 20 Feb 11	Month 21 Mar 11	Month 22 Apr 11
ENGINEER'S STAFF [List in order of rank]				
Engineer's Representative –	1	1	1	1
Bridge Engineer –	1	1	0	0
Structural Engineer –	0	0	1	1
Senior Materials Technician –	1	1	1	0
Clerk of Works –	1	1	1	1
Junior Materials Technician -	1	1	1	1
Surveyor -	1	1	1	0
Surveyor -	0	0	0	1
Data Capture -	0	1	1	1
Secretary –	1	1	1	1
Total	**7**	**8**	**8**	**7**
LAB'S STAFF [List in order of rank]				
Lab Manager –	1	1	1	1
Materials Testers:				
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
	1	1	1	1
Total	**11**	**11**	**11**	**11**
CONTRACTOR'S STAFF [List in order of rank]				
Project Manager –	1	1	1	1
Site Agent –	1	1	1	1
Assistant Site Agent –	1	0	0	0
Site Engineer - Concrete -	1	1	1	1
Quantity Surveyor –	1	1	1	1
Traffic Safety Officer –	1	1	1	1
Traffic Safety officer –	1	1	1	1
Senior Surveyor –	1	1	1	1
Surveyors –	1	1	1	1
Surveyors –	1	1	1	1
Health & Safety Officer –	1	0	0	0
Safety & Environmental Officer -	1	1	1	1
Quality Officer -	1	1	1	1
Admin Clerks –	1	1	1	1
Admin Clerks –	1	1	1	1
Surfacing Engineer -	0	0	0	0
Bridge Engineer -	1	1	1	1
Earthworks Foreman	3	3	3	3
Concrete Foreman	9	9	9	9
Skilled Labourers	122	122	122	122
Unskilled Labourers	214	214	214	214
Students	4	4	4	4
Supervisors	13	13	13	13

APPENDIX III A: SUB-CONTRACTORS

Note : **1** Approval of sub-contractors given in terms of Clause 4.4 (b) of the Conditions of Contract

2 Percentage of work completed by sub-contractors is calculted pro rata to the Tender Sum or Net Amount (NA) which excludes CPA and VAT (R 348,002,526.00)

3 Tendered CPG(Labour) = 6% of Tender Sum (R 20,880,151.00) Tendered CPG(SMME/BE) = 9% of Tender Sum (R 31,320,227.00)

Table A : For established sub-contractors

Name	Date	Type of work	Accumulated value of work	% B P	% Female equity	Total value of tendered work	% of CPG
Roadspan Surfacing	Sep-09	Surfacing	R 47,646,765.94	7.70	2.08	R 97,971,555.30	48.63
Paramount Constr.	Sep-09	Bridges	R 24,567,414.90	0.00	0.00	R 35,257,817.58	69.68
Esor Africa	Sep-09	Piling & lateral support	R 1,611,806.09	29.07	5.87	R 2,500,000.00	64.47
Much Asphalt	Sep-09	Asphalt mix	R 0.00	31.26	1.37		#DIV/0!
Crushco	Sep-09	G5 & G7 material	R 4,933,271.74	20.00	0.00	R 4,550,000.00	108.42
Engen Petroleum	Aug-09	Diesel	R 6,519,931.19	8.00	0.40	R 10,500,000.00	62.09
Formscaff	Nov-09	Shutters	R 1,140,720.20	14.56	6.31	R 1,500,000.00	76.05
							0.00
		TOTALS	**R 86,419,910.06**			**R 152,279,372.88**	**56.75**

Table B : For A.B.E. sub-contractors BE's

Name	Date	Type of work	Accumulated value of work	% B P equity equity	% Female equity	Total value of work to CPG	% of CPG
Elegent road markings	Sep-09	Road marking	R 668,346.99	100.00	0.00	R 2,412,234.42	27.71
Meitho Construction	Nov-09	Ancillary works	R 281,723.05	100.00	100.00	R 2,500,000.00	11.27
Electro Inductive Industries	Jan-10	Mini sustation	R 217,874.00	50.10	0.00	R 1,850,000.00	11.78
Chestnuts Projects	Oct-09	Readymix concrete	R 57,417.47	67.00	0.00	R 550,000.00	10.44
Sithaleng Investment	May-10	Road marking	R 793,096.88	100.00	50.00	R 550,000.00	144.20
Afrisam cement	Nov-09	Cement	R 3,661,368.10	62.30	27.80	R 4,450,000.00	82.28
Blitz concrete	May-10	Pre-cast products	R 157,908.88	51.00	11.35	R 250,000.00	63.16
Le Nash signs	Aug-09	Signs	R 2,814,683.00	100.00	0.00	R 3,900,000.00	72.17
Balekane Construction	Jul-09	Hired Plant	18,973,584.63	100	0	R 22,842,000.00	83.06
Colour plate	May-10	Road signs	519,543.00	100.00	0.00	R 650,000.00	79.93
		TOTALS	**R 28,145,546.00**			**R 39,954,234.42**	70.44

SMME's

Name	Date	Type of work	Accumulated value of work	% B P equity	% Female equity	Total value of work to CPG	% of CPG
E-connect	Sep-09	Electrical connections	R 4,550,663.24	0.00	0.00	R 5,500,000.00	82.74
Strucmac	Sep-09	Manufacture Gantries	R 2,608,996.23	0.00	0.00	R 2,545,000.00	102.51
Fogel products	Sep-09	PPE suppliers	R 67,954.80	25.10	0.00	R 150,000.00	45.30
Scribante -MzansiMix	Aug-09	Readymix concrete	R 1,554,706.40	26.00	0.00	R 1,950,000.00	79.73
SA Thala road markings	Aug-09	road marking	R 492,173.40	20.00	0.00	R 750,500.00	65.58
PHI Industries	Aug-09	Hardware	R 572,565.43	50.10	25.00	R 450,000.00	127.24
Repro signs	Aug-09	Signs	R 523,082.00	50.10	25.00	R 1,500,000.00	34.87
Hirecor	Aug-09	Plant hire	R 817,019.06	0.00	0.00	R 450,000.00	181.56
Difs	May-10	Bridge repairs	R 1,725,386.91	0.00	0.00	R 1,500,000.00	115.03
Total Blasting	May-10	Roadstuds	R 163,160.00	0.00	0.00	R 350,000.00	46.62
Heintzmann SA	May-10	Guardrails	R 1,525,759.20	0.00	0.00	R 2,500,000.00	61.03
Ekurhuleni Plant hire	Sep-10	Plant hire	R 1,170,935.00	0.00	0.00	R 750,000.00	156.12
Skyline crane hire and blocks	May-10	Readymix concrete	R 1,853,955.00	0.00	0.00	R 1,500,000.00	123.60
Letsatsi hire	Sep-10	Plant hire	R 133,637.50	0.00	0.00	R 250,000.00	53.46
		TOTALS	**R 17,759,994.17**			**R 20,145,500.00**	88.16

CONTRACT No NRA R.021-002-2008/2 **SITE MEETING 19**
20-Apr-11

APPENDIX IIIB : RDP CONTRACT PARTICIPATION GOAL

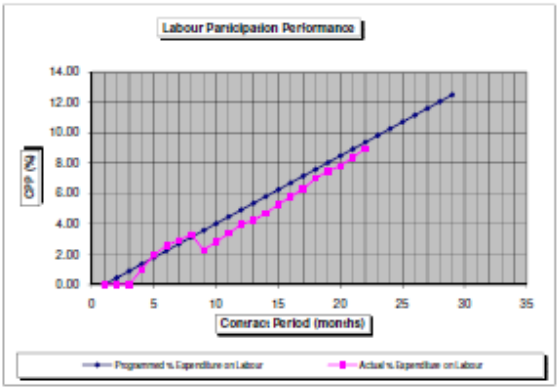
Note : 1 Monthly labour participation performance contribution = Male wages + 1,05 female wages as a % of the Tender Sum or Net Amount (NA) of R 348,002,526.00 excluding VAT. The tendered CPG = 12.49% (R 43,465,516.00). The minimum = 6%. The targeted labour must be be from the Ekurhuleni Municipal area.

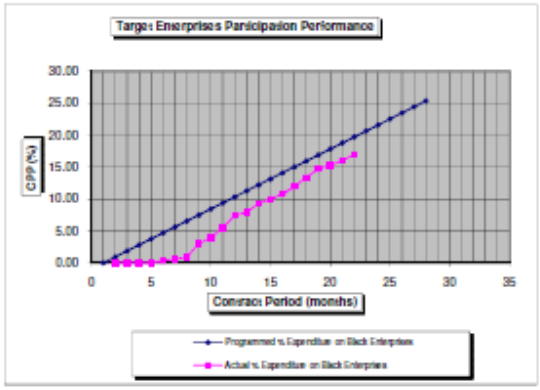
2 Monthly SMME/BE participation performance contribution = Value of work done by SMME/BE [1 + 0,1 (BP equity in SMME/BE) + 0,05 (Equity held by females in SMME/BE)] as a % of the tender sum of R 348,002,526.00 excluding VAT. The tendered CPG = 26.26% (R 91,385,463.00). The minimum = 9%. 90% of the SMME/BE participation performance contribution must be by BE's.

4 An **incentive bonus** is paid to the Contractor at the end of the Contract of 5% of the excess above the tendered CPG to a maximum of R 50,000.00

5 A **penalty** is deducted from the Contractor of 50% of the shortfall below the tendered CPG.

	Labour Wages					Utilisation of SMME's and BE's						
	Male	Female	Labour CPP	% Labour CPP	Labour CPP Cumul	SMME	BE	SMME/BE CPP	SMME/BE CPP	% SMME/BE CPP Cum	Total CPP	Total % CPP
09-Jul	14181.00	2466.96	16,771.20	0.00	0.00			0.00	0.00	0.00	16,771.20	0.00
09-Aug	138830.00	14951.00	154,528.55	0.03	0.03			0.00	0.00	0.00	154,528.55	0.03
09-Sep	450423.00	32186.00	484,218.30	0.09	0.12			0.00	0.00	0.00	484,218.30	0.09
09-Oct	995092.09	58925.00	1,054,863.34	0.20	0.32			0.00	0.00	0.00	1,054,863.34	0.20
09-Nov	977407.15	30331.21	1,009,254.92	0.19	0.51			0.00	0.00	0.00	1,009,254.92	0.19
09-Dec	1013109.99	24365.56	1,038,693.83	0.19	0.70			0.00	0.00	0.00	1,038,693.83	0.19
10-Jan	1472144.58	28975.45	1,502,568.80	0.28	0.98	1608166.57	7007342.35	7168159.01	1.34	1.34	8,670,727.81	1.62
10-Feb	1641299.39	34470.75	1,677,493.68	0.31	1.30	384412.77	1637241.40	1675682.68	0.31	1.65	3,353,176.35	0.63
10-Mar	1854860.14	36510.96	1,893,196.54	0.35	1.65	1238969.17	1818729.81	1942626.73	0.36	2.01	3,835,823.27	0.72
10-Apr	1826260.54	36754.86	1,864,853.14	0.35	2.00	3298340.85	2234309.80	2564143.99	0.48	2.49	4,428,997.03	0.83
10-May	1724572.20	47564.40	1,774,514.82	0.33	2.33	2808290.96	3880794.10	4161623.20	0.78	3.27	5,936,138.02	1.11
10-Jun	978504.32	51474.92	932,552.99	0.17	2.50	1111690.76	529208.75	640377.83	0.12	3.39	1,572,930.81	0.29
10-Jul	1527933.60	89521.60	1,621,831.28	0.30	2.81	1747105.09	3081344.53	3256055.04	0.61	4.00	4,877,886.32	0.91
10-Aug	1894466.40	103106.70	2,002,728.44	0.37	3.18	583320.65	1781450.26	1839782.33	0.34	4.34	3,842,510.76	0.72
10-Sep	1692462.20	99684.30	1,796,080.72	0.34	3.52	996562.17	1822184.15	1921820.37	0.36	4.70	3,717,901.08	0.69
10-Oct	1704682.20	99684.30	1,808,300.72	0.34	3.85	1655599.22	2496532.91	2662091.83	0.50	5.20	4,470,392.55	0.83
10-Nov	2294764.50	132844.25	2,434,250.96	0.45	4.31	2254474.54	2659254.09	2884701.54	0.54	5.74	5,318,952.51	0.99
10-Dec	1547326.92	89574.98	1,641,380.65	0.31	4.61	2676719.21	1867798.86	2135470.78	0.40	6.14	3,776,851.43	0.71
11-Jan	1082943.35	64524.35	1,150,693.92	0.21	4.83	878066.70	1039203.64	1127010.31	0.21	6.35	2,277,704.23	0.43
11-Feb	1860114.46	110830.10	1,976,486.07	0.37	5.20	1057588.19	1640908.17	1746666.99	0.33	6.67	3,723,153.05	0.70
11-Mar	1847373.90	110070.95	1,962,948.40	0.37	5.57	1563841.39	1641792.48	1799176.62	0.34	7.01	3,761,125.02	0.70
Total	28438651.93	1294818.40	29,798,211.25	5.57	50.32	23863138.24	35138075.30	37524389.12	7.01	64.30	67,322,600.37	12.57





APPENDIX IV A : RDP TRAINING

ENGINEERING SKILLS

Scope of training	Accredited Y/N	Organisation	Persons Perm/Temp	Total Hrs Perm/Temp	Cost (R) NRA	Cost (R) Cont
Steel fixing	Y	SA Training Services	Perm & Temp	918	R 33,150.00	
Concrete hand	Y	SA Training Services	Perm & Temp	945	R 41,475.00	
Basic Management of the Environment	Y	Tjeka Training Matters	Perm & Temp	216	R 18,000.00	
TOTAL				2079	R 92,625.00	R -

ENTREPRENEURIAL SKILLS

Scope of training	Accredited Y/N	Organisation	Persons Perm/Temp	Total Hrs Perm/Temp	Cost (R) NRA	Cost (R) Cont
Basic bussiness principals	Y	Tjeka	Perm/Temp	216	R 9,800.00	
Demonstrate the ability to start and run a business	Y	Tjeka	Perm/Temp	216	R 13,200.00	
TOTAL				432	R 23,000.00	R -

GENERIC SKILLS

Scope of training	Accredited Y/N	Organisation	Persons Perm/Temp	Total Hrs Perm/Temp	Cost (R) NRA	Cost (R) Cont
Gen Safety/Flagman	Y	SA Training Services	Temp	90	R 6,155.10	
Safety Rep.	Y	Exelence Safety Training	Temp	198	R 16,500.00	
First Aid	Y	Exelence Safety Training	Temp	198	R 6,050.00	
Flagman	Y	Exelence Safety Training	Temp	414	R 27,600.00	
Flagman	Y	Exelence Safety Training	Temp	135	R 12,250.00	
Flagman	Y	Exelence Safety Training	Temp	108	R 15,160.00	
Supervise Health and Safety	Y	Exelence Safety Training	Temp	108	R 22,860.00	
HIV AIDS Awareness training	Y	Exelence Safety Training	Temp / Perm	759	R 113,850.00	
TOTAL				2010	R 220,425.10	R -

CONTRACT No NRA R.021-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX IVB : LABOUR ENHANCEMENT

Labour Target = 12.48%
Labour Target = R 42 136 030.06

Achieved to date = 13.87%
Achieved to date = R 31,121,366.13

	MALE LABOUR						FEMALE LABOUR							
Month	Numbers	Cum Numbers	Person Hours	Cum Person Hours	Cost	Cum Cost	Numbers	Cum Numbers	Person Hours	Cum Person Hours	Cost	Cum Cost	Total CPP	Total % CPP
09-Jul	6	6	561	561	14,181.00	14,181.00	2	2	153	153	2,466.86	2,466.86	16,771.20	0.00
09-Aug	37	43	5739	6300	138,830.00	153,011.00	4	6	559	712	14,951.00	17,417.86	171,299.75	0.03
09-Sep	143	186	25753	32053	450,423.00	603,434.00	10	16	1204	1916	32,186.00	49,603.86	655,518.05	0.12
09-Oct	160	346	35089	67142	995,092.09	1,598,526.09	15	31	3795	5711	56,925.00	106,528.86	1,710,381.39	0.32
09-Nov	188	534	40967	108109	977,407.15	2,575,933.24	8	39	1592	7303	30,331.21	136,860.07	2,719,636.31	0.51
09-Dec	224	758	35317	143426	1,013,109.99	3,589,043.23	9	48	1025	8328	24,365.56	161,225.63	3,758,330.14	0.70
10-Jan	260	1018	39490	182916	1,472,144.58	5,061,187.81	9	57	1395	9723	28,975.45	190,201.08	5,260,898.94	0.98
10-Feb	323	1341	48132	231048	1,641,299.00	6,702,486.81	9	66	1387	11110	34,470.75	224,671.83	6,938,392.23	1.30
10-Mar	342	1683	70110	301158	1,854,860.14	8,557,346.95	10	76	1845	12955	36,510.86	261,182.69	8,831,588.77	1.65
10-Apr	292	1975	68975	370133	1,826,260.54	10,383,607.49	10	86	1875	14830	36,754.86	297,937.55	10,696,441.92	2.00
10-May	306	2281	59670	429803	1,724,572.20	12,108,179.69	10	96	1950	16780	47,564.40	345,501.95	12,470,956.74	2.33
10-Jun	307	2588	30912	460715	878,504.32	12,986,684.01	26	122	2668	19448	51,474.92	396,976.87	13,403,509.72	2.50
10-Jul	339	2927	53920	514635	1,527,833.60	14,514,517.61	29	151	4640	24088	89,521.60	486,498.47	15,025,341.00	2.81
10-Aug	380	3307	65430	580065	1,894,466.40	16,408,984.01	29	180	4930	29018	103,106.70	589,605.17	17,028,069.44	3.18
10-Sep	402	3709	52260	632325	1,692,462.20	18,101,446.21	31	211	4420	33438	98,684.30	688,289.47	18,824,150.15	3.52
10-Oct	452	4161	52780	685105	1,704,682.20	19,806,128.41	28	239	4420	37858	98,684.30	786,973.77	20,632,450.87	3.85
10-Nov	406	4567	71050	756155	2,294,764.50	22,100,892.91	34	273	5950	43808	132,844.25	919,818.02	23,066,701.83	4.31
10-Dec	406	4973	47908	804063	1,547,326.92	23,648,219.83	34	307	4012	47820	89,574.98	1,009,393.00	24,708,082.48	4.61
11-Jan	399	5372	61115	865178	1,082,943.35	24,731,163.18	34	341	2890	50710	64,524.35	1,073,917.35	25,858,776.40	4.83
11-Feb	399	5771	58254	923432	1,860,114.46	26,591,277.64	34	375	4964	55674	110,830.10	1,184,747.45	27,835,262.46	5.20
11-Mar	399	6170	57855	981287	1,847,373.90	28,438,651.54	34	409	4930	60604	110,070.95	1,294,818.40	29,798,210.86	5.57
11-Apr														

APPENDIX V : SITE MEMOS ISSUED

Note: Record only those Site Memos that have been issued since the last Site Meeting. All site memos containing a site instruction shall indicate the relevant pay item.

S.I No.	DATE	DESCRIPTION	ISSUED BY
255	01/04/11	Roadsign drawings	T v Deventer
256	01/04/11	Layerworks at VMS 22	T v Deventer
257	04/04/11	Batter on SB CW at Griffths IC Bridge	T v Deventer
258	04/04/11	Claim for M Dursot	T v Deventer
259	07/04/11	TG45 and R24 Lane Changes	T v Deventer
260	07/04/11	Handover Electrical system to SANRAL	T v Deventer
261	19/04/11	Median High Wall defective work	T v Deventer

APPENDIX VI : DRAWINGS ISSUED

Note: Record only those drawings that have been issued since the last site meeting. Reissues shall not be recorded unless they are revisions necessary for construction purposes. Drawings not recorded here shall not be eligible for inclusion with the Engineer's fee claims.

DESCRIPTION	NUMBER	VERSION	SIZE	TYPE	DATE
Street lighting co-ordinate positions	PN093-EL-69 (V1)	V1	A0	Paper	**04-Apr-11**

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX VII : VARIATION ORDERS

Notes:

1 All VO's are to be listed
2 The status of VO expenditure will be shown by listing under the relevant column, 'current or final'

VO	DESCRIPTION	DATES		AMOUNT		
		SUBMITTED	APPROVED	APPROVED	CURRENT	FINAL
VO 1	VMS Gantry Manufacturing	31-Jan-10	Mar-10	R 353,375.38	R 353,375.38	
VO 2A	VMS Recommissioning of Gantry	31-Jan-10			R 74,481.39	
VO 2B	VMS Instalation of footings	31-Jan-10			R 353,375.38	
VO 2C	VMS Installation of signs				R 304,175.00	
VO 3	Installation of New Steel Post Guardrails	17-Mar-10			R 90,506.06	
VO 4A	Tol Gantry 43	22-Mar-10			R 3,481,253.68	
VO 4B	Tol Gantry 44	22-Mar-10			R 3,606,690.38	
VO 5	Rock Fill Phase 1	22-Mar-10			R 635,769.00	
VO 6	Palisade Fencing	02-Nov-10			R 4,115,661.60	
VO 7	Roadstuds				R 319,473.00	
VO 8	Drainage Improvement - Pomona				R 833,965.02	
VO 9	MBW -Insitu section				R -	
VO 10	Rock Fill Phase 2				R -	
VO_S01	Precast Median Barrier Wall	02-Nov-10			R 6,648,088.60	
VO_E01	Electrical Works VMS 23	02-Nov-10			R 92,167.77	
VO_E02	Lighting Protection Toll Gantries	02-Nov-10			R -271,305.10	
VO_E03	Atlas I/C Connection fees				R 713,222.73	
TOTALS				**R 353,375.38**	**R 21,350,899.89**	**R 0.00**

APPENDIX VIII : DAYWORK

Notes: Only Dayworks instructed or completed during the month are recorded. Estimated or actual expenditure is marked with an A or E respectively

No.	DESCRIPTION	ISSUE DATE	VALUE OF WORK
TOTAL			**R -**

THE SOUTH AFRICAN NATIONAL ROADS AGENCY SOC Ltd

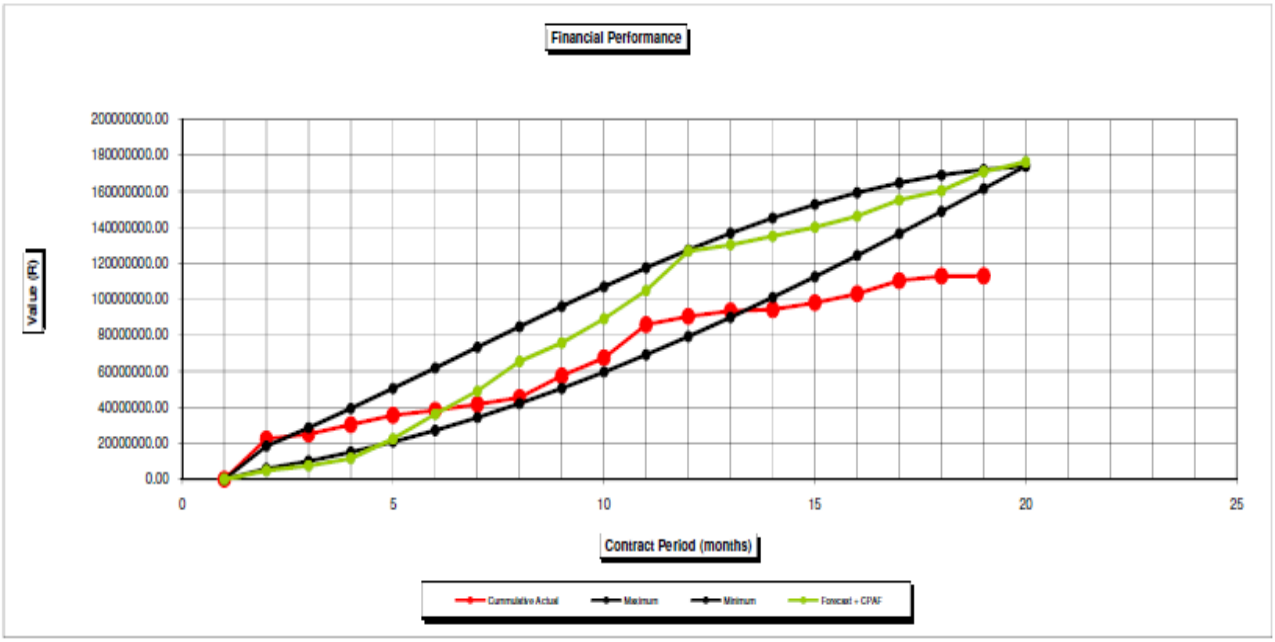
VELA VKE

Phase 1

APPENDIX IXA

FINANCIAL PROGRESS REPORT

CONTRACT NRA R.021-002-2008/2: UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN INTERCHANGE (km 1.18) TO POMONA INTERCHANGE (km 12.81) (11.63KMS)



CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING NO. 19

20-Apr-11

APPENDIX IX B : PROGRESS DIAGRAM

Description	Original Planned Start Date	Revised Planned Start Date	Original Planned Completion Date	Revised Planned Completion Date	Contractual Date of Delivery of Drawings	Planned Progress Latest Program %	Actual Progress Revised Program %	Weeks ahead (+) Behind (-)
Overall Programme	9-Jun-29		11-Feb-28	1-Nov-11		82%	65%	(-) 16
SCHEDULE A : ROAD WORKS								
Contractor's Establishment & Obligations	9-Jul-01		9-Aug-17			100%	100%	
Offices and Laboratories for the Engineer	9-Jul-01		9-Aug-20			100%	100%	
Purchase/Hire of Barriers	9-Jul-15		10-Dec-01			90%	90%	
Phase 1 : Pomona I/C to R24 I/C N/B	**9-Jul-16**		**10-May-27**					
Type Blue	9-Aug-25	9-Dec-11	9-Nov-13	9-Jan-20		100%	100%	
Type Green	10-Feb-18		10-May-04			100%	100%	
Road widening Type 1 (Fast Lane)	9-Aug-21	9-Sep-14	10-Jan-19	10-Jan-19		100%	100%	
Road Widening Type 2 (Fast Lane)	9-Sep-29	9-Sep-20	10-Feb-09	10-Feb-09		100%	100%	
Road Widening Type 2 (Slow Lane)	10-Feb-10		10-May-05			100%	100%	
FINAL WORKS	**10-Jan-07**		**10-May-26**					
40 mm Asphalt	10-Feb-16		10-May-10			100%	100%	
UTFC	10-Feb-19		10-May-20			100%	100%	
Concrete drains & Culverts	10-Jan-07		10-Apr-20			100%	100%	
Road marking	10-Apr-14		10-May-26			100%	100%	
Finishing road reserve	10-Apr-15		10-May-18			100%	80%	
Fencing	10-Apr-15		10-May-17		15-Mar-11	100%	5%	
Road Furniture	10-Apr-16		10-May-21			100%	100%	
Guardrails	10-Apr-19		10-May-11			100%	95%	
Electrical works	9-Aug-26		10-May-27			100%	100%	
Bridge 2665A	9-Sep-02	9-Sep-16	10-May-06	10-May-06		100%	100%	
Phase 1 : Pomona I/C to R24 I/C S/B	**9-Jul-16**		**10-May-27**					
Type Blue	9-Nov-17	9-Nov-09	9-Dec-11	9-Dec-11		100%	100%	
Patching (Purple)	19-Jan-05		10-Feb-17			100%	100%	
Road widening Type 1 (Fast Lane)	9-Aug-21		10-Jan-20			100%	100%	
Road Widening Type 2 (Fast Lane)	9-Oct-06		10-Jan-07			100%	100%	
Road Widening Type 1 (Slow Lane)	10-Jan-08		10-May-13			100%	100%	

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING NO. 19

20-Apr-11

APPENDIX IX B : PROGRESS DIAGRAM

Description	Original Planned Start Date	Revised Planned Start Date	Original Planned Completion Date	Revised Planned Completion Date	Contractual Date of Delivery of Drawings	Planned Progress Latest Program %	Actual Progress Revised Program %	Weeks ahead (+) Behind (-)
Road Widening Type 2 (Slow Lane)	10-Feb-16		10-May-07			100%	100%	
FINAL WORKS	**10-Feb-17**		**10-May-27**					
40 mm Asphalt	10-Feb-17		10-May-17			100%	100%	
UTFC	10-Mar-04		10-May-19			100%	100%	
Concrete drains & Culverts	10-Feb-23		10-May-17			100%	100%	
Road marking	10-May-05		10-May-27			100%	100%	
Finishing road reserve	10-May-07		10-May-24			100%	80%	
Fencing	10-May-07		10-May-25		15-Mar-11	100%	0%	(-) 12
Road Furniture	10-May-14		10-May-26			100%	100%	
Guardrails	10-May-17		10-May-25			100%	95%	(-) 12
Phase 2 : R24 I/C to Rietfontein I/C N/B	**9-Jul-29**		**11-Feb-25**					
Median Barrier Wall	9-Jul-29		10-Dec-03			85%	62%	(-) 14
Type Blue	9-Nov-12		9-Nov-27	30-Apr-10		95%	40%	(-) 12
Road widening Type 1 (Fast Lane)	9-Nov-19	9-Dec-07	10-May-06	10-May-06		100%	90%	(-) 16
Road Widening Type 2 (Fast Lane)	10-Jan-26		10-May-27			100%	90%	(-) 16
Road Widening Type 1 (Slow Lane)	10-May-28		11-Jan-19			90%	20%	(-) 13
Road Widening Type 2 (Slow Lane)	10-Sep-07		11-Jan-19			70%	10%	(-) 8
Patching (Purple)	10-Feb-10		10-Mar-17	30-Apr-10		100%	0%	(-) 16
FINAL WORKS	**10-Aug-13**		**11-Feb-25**					
40 mm Asphalt	10-Aug-13		11-Feb-03			90%	50%	(-) 14
UTFC	10-Sep-20		11-Feb-15			50%	0%	
Concrete drains & Culverts	10-Aug-19		11-Jan-18			30%	0%	(-) 2
Road marking	10-Nov-23		11-Feb-25			0%	0%	
Finishing road reserve	10-Nov-29		11-Feb-04			0%	0%	
Fencing	10-Nov-30		11-Feb-09			0%	0%	
Road Furniture	10-Nov-30		11-Feb-16			0%	0%	
Guardrails	10-Nov-30		11-Feb-15			0%	0%	

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING NO. 19

20-Apr-11

APPENDIX IX B : PROGRESS DIAGRAM

Description	Original Planned Start Date	Revised Planned Start Date	Original Planned Completion Date	Revised Planned Completion Date	Contractual Date of Delivery of Drawings	Planned Progress Latest Program %	Actual Progress Revised Program %	Weeks ahead (+) Behind (-)
Electrical works	9-Aug-26		11-Jan-21			50%	20%	(-) 12
Bridge 2658/2659 and 13 Bridges	9-Oct-29		11-Feb-25			85%	45%	(-) 8
Phase 2 : R24 I/C to Rietfontein I/C S/B	**9-Sep-22**		**11-Feb-25**					
Type Blue	9-Nov-30		10-Feb-09					
Road widening Type 1 (Fast Lane)	9-Nov-19		10-May-06			100%	50%	(-) 16
Road Widening Type 2 (Fast Lane)	10-Jan-21		10-May-10			100%	90%	(-) 16
Road Widening Type 1 (Slow Lane)	10-May-11		10-Nov-25			85%	15%	(-) 16
Road Widening Type 2 (Slow Lane)	10-Aug-03		10-Nov-26			25%	15%	(-) 12
FINAL WORKS	**10-Aug-19**		**11-Feb-25**					
40 mm Asphalt	10-Aug-19		11-Feb-04			100%	55%	(-) 10
UTFC	10-Sep-28		11-Feb-15			0%	0%	
Concrete drains & Culverts	10-Aug-24		11-Feb-09			100%	20%	
Road marking	10-Nov-30		11-Feb-25			0%	0%	
Finishing road reserve	10-Nov-30		11-Feb-17			0%	0%	
Fencing	10-Dec-01		11-Feb-21			0%	0%	
Road Furniture	10-Dec-02		11-Feb-16			50%	20%	
Guardrails	10-Dec-02		11-Feb-16			0%	0%	

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX X A : SUBSTANDARD WORK

DATE OF WORK	PAY ITEM	DESCRIPTION OF WORK	QUANTITY	REMEDIAL ACTION	PERCENTAGE PAYMENT

ONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX X B : PENALTIES

ACTIVITY DESCRIPTION	REASON FOR PENALTY	PENALTY AMOUNT
1.) AOT: 11/08/09 16h19	**Daily reports:** Late submission and incomplete reports.	R 100,000.00
2.) AOT: 09/09/09 11h33	**Daily reports:** i – Traffic reports incorrect	R 10,000.00
3.) AOT: 09/09/09 12h45	**Daily reports:** i – Traffic reports incomplete	R 10,000.00
4.) AOT: 09/09/09 12h54	**Permanent Road Closure:** Failure to comply with request from Client.	R 122,000.00
5.) AOT: 11/09/09 11h23	**Permanent Road Closure:** Road signs incorrect, missing and placed at incorrect positions.	R 110,000.00
6.) AOT: 11/09/09 11h34	**Daily reports:** Late submission and incomplete reports.	R 20,000.00
7.) AOT: 17/09/09 15h10	**Temporary Road Closure:** Road signs not in accordance with specifications.	R 10,000.00
8.) AOT : 20/10/09 16h04	**Temporary Road Closure :** Failure to complete patching under temporary road closure within specified time period.	R 10,000.00
9.) AOT:12/11/09 06h15	**Temporary road closure:** Failure to comply with specified time to work on the road.	R 10,000.00
10.) AOT: 10/12/09 14h21	**Accommodation of traffic** Voortrekker Traffic Management	R 20,000.00
11.) AOT: 21/01/10 11h59	**Temporary road closure:** Lanes closed but no work was taking place in closure	R 10,000.00
12.) AOT: 26/01/10 17h15	**Road Signs** Non Compliance	R 10,000.00
13) AOT: 29/01/10 13h14	**Rolling closure:** Engineers not informed about lane closure	R 10,000.00
14) AOT: 15/02/10 08h29	**Temporary road closure:** No VMS present at ORTIA	R 28,000.00
15) AOT: 24/02/10 17h00	**Temporary Road signs:** Incorrect signage displayed where Roadworks were taking place	R 224,000.00
16) AOT: 13/04/10	**Temporary road closure:** Late Road Opening and Asphalt Joint.	R 66,000.00
17) AOT: 19/04/10 16h16	**Temporary Road signs:** Step in Road signs weren't installed after paving operation.	R 46,000.00
18) AOT: 08/09/10 16h48	**Temporary road signs / Flagmen / Construction vehicle markings:** Signs weren't removed after closure was opened the previous day. No signs at new truck entrance. Speed restriction signs incorrect. No flagmen at Pomona exist and Gantry works SB. Truck and Sub-contractor vehicle on site without amber light and construction vehicle sticker.	R 90,000.00
19) AOT: 18/10/10 10h29	**Temporary Road signs and Guardrails**	R 40,000.00
20) AOT: 13/12/10 12h45	**Non Compliance:** Of Road signs and late opening of road closures.	R 180,000.00
21) AOT: 02/02/11 15h52	**Non Compliance:** Workers without proper safety clothing.	R 30,000.00
TOTAL:		R 1,156,000.00

APPENDIX XI : CONTRACT EXPENDITURE

ORIGINAL TENDER DETAILS			ESTIMATED FINAL DETAILS	
Tender amount (latest revision) approved by SANRAL : 11 June '09		R 396,721,340.59	Estimated final contract amount (latest) as at : 25 September '09	R 417,778,485.28
Phases 1 & 2 :			Phases 1 & 2 :	
Schedule A: Roadworks	R 262,077,503.93		Schedule A: Roadworks	R 244,546,695.87
Schedule B: Structures	R 51,625,675.98		Schedule B: Structures	R 45,327,663.59
Schedule C:	R 0.00		Schedule C	
Schedule D: BBEEE	R 680,000.00		Schedule D: BBEEE	R 680,000.00
Schedule E: Electrical	R 33,617,996.05		Schedule E: Electrical	R 33,617,996.05
			Penalties	R 2,000,000.00
			Extesion of time cost	R 2,500,000.00
Contingencies	R 0.00		Variations	R 31,800,000.00
CPA	R 0.00		CPA	R 4,000,000.00
Special Materials	R 0.00		Special Materials	R 6,000,000.00
Sub Total		R 348,001,175.96	Sub Total	R 366,472,355.51
VAT @ 14%		R 48,720,164.63	VAT @ 14%	R 51,306,129.77
TOTAL		R 396,721,340.59	TOTAL	R 417,778,485.28
CONTRACTUAL DATES			**OVER/UNDER EXPENDITURE**	
Commencement date		29-Jun-09	Amount	R 21,057,144.69
Contract period (Original)		20 months	Percentage	5.31%
			Percentage time lapsed (Phase 1)	100.00%
Completion date (Original)		28-Feb-11	Percentage time lapsed (Phase 2)	91.30%
			Percentage money spent (Estimate)	63.11%
NEW APPROVED COMPLETION DATE			**ESTIMATED COMPLETION DATE**	
Approved extension of time		61	Estimated Additional Time Required	5.0months
New approved completion date		17-May-11	Estimated contract period	25 months
			Estimated completion date (Phase 1)	15-Mar-11
			Estimated completion date (Phase 2)	31-Aug-11

EXPENDITURE TO DATE			ESTIMATED EXPENDITURE (including VAT)	
Payment certificate	19		Previous financial years	
Date	25 MAR '11		2009/2010	R 116,683,620.40
Schedule items:		R 207,354,311.32		
Material on site		R 4,842,309.24		
Extra work/Daywork		R 8,911,021.13		
Contract price adjustment (CPA)		R 3,848,803.17	Present financial year	
Advance Payment		R 34,800,252.67		
Add/Deduct speciale material		R 1,381,120.30		
Sub Total		R 261,137,817.83	2010/2011	R 198,300,000.00
Less Lab contribution		R -1,060,000.00		
Less advance Payment		R -27,840,202.14		
Less Penalties		R -946,000.00		
Sub Total		R 231,291,615.69		
VAT @ 14%		R 32,380,826.20		
TOTAL		R 263,672,441.89		

Estimated value of next 3 payment certificates (including VAT)

Cert. No.	Date	Amount
20	25-Apr-11	R 13,390,240.79
21	25-May-11	R 15,679,227.14
22	25-Jun-11	R 16,250,343.47

Future financial years :	
2011/2012	R 102,794,864.88
TOTAL	R 417,778,485.28

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX XII : CONTRACTUAL DATES

START: Phase 1	DURATION	DUE DATE	APPROVED DELAYS	APPROVED END	ESTIMATED END	TIME ELAPSED
29-Jun-09	11months	28-May-10	47 days	11-Aug-10	15-Mar-11	22 months
START: Phase 2	**DURATION**	**DUE DATE**	**APPROVED DELAYS**	**APPROVED END**	**ESTIMATED END**	**TIME ELAPSED**
29-Jun-09	20months	28-Feb-11	66 days	24-May-11	31-Oct-11	22 months

Note: Time elapsed is based on approved due date relative to contract start date.

REASON FOR EXTENSION	DAYS APPLIED FOR	DAYS AGREED	REVISED COMPLETION DATE
Phase 1: Inclement Weather	47	47	11-Aug-10
Phase 2: Inclement Weather	66	66	24-May-11

AVERAGE RAINFALL			ACTUAL RAINFALL		DELAYS							
	(mm)	(mm)	(mm)	(mm)	MONTHLY				ACCUMULATIVE			
MONTH	Month	Accum.	Month	Accum.	Actual		Allowed		Actual		EoT	
					Phase 1	Phase 2	Phase 1	Phase 2	Phase 1	Phase 2	Phase 1	Phase 2
June. '09	9	9	0	0	0	0	0	0	0	0	0	0
July. '09	1	10	0	0	0	0	0	0	0	0	0	0
Augusts '09	8	18	0	0	0	0	0	0	0	0	0	0
September '09	17	35	27	27	2	2	1	1	2	2	1	1
October '09	74	109	87	114	9	9	3	3	11	11	7	7
November '09	95	204	179	293	8	8	4	4	19	19	11	11
December '09	120	324	157	450	4	4	3	3	23	23	12	12
January '10	131	455	292	742	15	15	5	5	38	38	22	22
February '10	120	575	119	861	8	8	4	4	46	46	26	26
March '10	100	675	82	943	4	4	3	3	50	50	27	27
April '10	41	716	181	1,124	11	11	1	1	61	61	37	37
May '10	21	737	54	1,178	3	3	1	1	64	64	39	39
June '10	9	746	0	1,178	0	0	0	0	64	64	39	39
July '10	1	747	0	1,178	0	0	0	0	64	64	39	39
August '10	8	755	0	1,178	2	3	0	0	66	67	41	42
September '10	17	772	0	1,178	0	0	1	1	66	67	41	42
October '10	74	846	2	1,180	0	0	3	3	66	67	41	42
November '10	95	941	94	1,274	4	4	4	4	70	71	41	42
December '10	120	1,061	109	1,383	4	4	5	5	74	75	41	42
January '11	131	1,192	234	1,617	11	19	5	5	85	94	47	56
February '11	120	575	157	1,774	3	3	4	4	88	97	47	56
March '11	100	675	173	1,947	8	8	3	3	96	105	47	61
April '11	41	716	130	2,077	5	6	1	1	101	111	47	66
May '11	21	737					1	1				
June '11	9	746					0	0				
July '11	1	747					0	0				
August '11	8	755					0	0				

NOTE:

Total Actual Allowed:	Phase 1	25	Days
	Phase 2	52	Days
Required minimum:	Phase 1	27	Days
	Phase 2	41	Days

PRELIMANARY UP UNTILL 30/04/2011

APPENDIX XIII A : CLAIMS – CONTRACTOR

Note: Value of claim to be prefixed by A, actual by E, estimate

DESCRIPTION	CLIENT'S DECISION	NOTICE BY CONTRACTOR	ENGINEER'S DECISION	VALUE
Delay Claim		*22-Feb-11*	*Rejected*	E: R 13,967,798.00
Contra Flow Claim		*06-Apr-11*		E: R 16,118,545.00
			TOTAL	R 30,086,343.00

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX XIII B : CLAIMS – THIRD PARTY

INCIDENT No.	NAME	DATE	CAUSE OF INCIDENT	VALUE (R)	DATE REFERRED TO CONTRACTOR	ACTION	SETTLED / REJECTION
1	MR. J. W DU BUISSON	01-Oct-09	ALLEGED SHARP OBJECTS IN THE ROAD UNDER CONSTRUCTION	R 1,261.30	12-Oct-09	NONE	REJECTED
2	PATRICIA NAIDOO	28-Oct-09	ALLEGED CONCRETE BLOCK ON R21 FROM THE AIRPORT IN THE JHB DIRECTION	R 2,775.00	07-Dec-09	NONE	REJECTED
3	SUSILA KANJEE	30-Jul-09	CONSTRUCTION PLATE ALLEGEDLY SHREDDED TIRES OF VEHICLE		10-Jan-10	NONE	REJECTED
4	CRAIG FARAH	10-Apr-09	VW CITI GOLF DROVE ALLEGED CONSTRUCTION DEBRIS THAT HIT MR. FARAH'S VEHICLE	R 9,790.86	12-Jan-10	NONE	REJECTED
5	RIAAN NORTJE	25-Mar-10	FORD MONDEO DRIVING OVER STONES ALLEGEDLY LYING ON THE ROAD	R 5,998.18	22-Apr-10	NONE	REJECTED
6	ROXANNE NAIDOO	15-Apr-10	MISS NIADOO'S RIM ALLEGEDLY GOT PUNCTURED AND TYRE DAMAGED DUE TO MULTIPLE LEVELS ON THE ROAD SURFACE	R 8,562.71	04-May-10	NONE	REJECTED
7	FERDINAND GROTSIUS	10-Mar-10	ALLEGED LOOSE STONES AFTER PREVIOUS NIGHTS PAVING WAS SHOT UP BY TRUCKS PASSING AND HAILED DOWN ON VEHICLE AND SURROUNDING VEHICLES	R 42,058.48	04-May-10	NONE	REJECTED
8	REON BIELDT	18-May-10	VEHICLES LEFT FRONT LIGHT ALLEGEDLY GOT STRUCK WITH A STONE FROM ANOTHER VEHICLE ON THE R21 SOUTH BOUND IN FRONT OF ORTIA	R 1,801.79	24-May-10	NONE	REJECTED
c	INA WRIDE	16-Jan-10	VEHICLE WAS STRUCK BY A SIGNBOARD THAT ALLEGEDLY WAS NOT SECURED SAFELY ENOUGH.	R 17,927.95	21-Jun-10	PAID	SETTELED
10	LORAINE DU PLEESSIS	March 2010 to July 2010	ALLEGED CONSTRUCTION VEHICLES SHOT UP GRAVEL CAUSING CHIPS ON WINDSCREEN		30-Jul-10	NONE	REJECTED
11	DONOVAN CARROLL	19-Aug-10	ALLEFGED LOOSE STONES ON THE R21 UNDER POMONA BRIDGE CRACKED WINDSCREEN	R 9,940.00	26-Aug-10	NONE	REJECTED
12	MIRANDA NONTHUTHUZELO MAKHUBELA	04-Aug-10	ALLEGED CONCRETE STONES ON R21 TO ORTIA HIT WINDSCREEN	R 3,487.37	06-Sep-10	NONE	REJECTED
13	FERDIE SMITH	01-Nov-10	DRIVER ALLEGEDLY STUCK A PIECE OF CONCRETE ON THE ATLAS OFF RAMP WITH HIS LEFT FRONT TYRE CAUSING IT AND THE RIM TO TEAR	R 3,949.76	19-Nov-10	NONE	REJECTED
14	NICO WILCOCKS	15-Oct-10	ALLEGED STONES LEFT IN ROAD AFTER WEARING COURSE WAS PAVED SHOT UP BY CAR IN FRONT BROKE VEHICLES RIGHT FRONT FOG LAMP AND COVERING	R 2,797.72	30-Nov-10	PAID	SETTELED
15	THABISILE NSIBANDE	20-Oct-10	ALLEGED STONE ON R21 NORTH BOUND HIT CAR ON TOP RIGHT OF WINDSCREEN	R 4,852.58	11-Jan-11	NONE	REJECTED
16	MAHOMED DURSOT	15-Mar-11	ALLEGED STONE ON R21 NORTH BOUND HIT CAR AND CHIPED THE WINDSCREEN	R 5,884.28	06-Apr-11	NONE	REJECTED
TOTAL CLAIMED:				**R 121,087.98**	**TOTAL SETTLED**		**R 20,725.67**

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX XIV : SUMMARY OF CALLOUTS

DATE	TIME	LOCATION	DESCRIPTION	RESPONSE TIME	CALLED OUT BY

CONTRACT No. NRA R0.21-002-2008/2

SITE MEETING 19
20-Apr-11

APPENDIX XV :RECORDED DAMAGES AND COST RECOVERY

No.	DATE	LOCATION	REG. No's	DESCRIPTION	AMOUNT	AMOUNT RECOVERED
				TOTALS	R -	R -

CONTRACT No. NRA R0.21-002-2008/2 SITE MEETING 19

20-Apr-11

APPENDIX XVI : EMERGENCY TELEPHONE NUMBERS

ORGANISATION	MUNICIPAL AREA AND RESPONSIBLE PERSON	TELEPHONE NUMBER
Ambulance	Kempton Park	011 975 1112
Hospital	Medi Cross	011 975 0218
Fire Department		011 975 0218
South African Police		011 570 9273
Labour Department	Kempton Park	011 975 9301
	Pretoria	012 309 5039
ESKOM	Survey Division	
	John Mitchell	011 741 3559
	Pumza Jizana	011 741 3548
Rand Water	Survey Division	011 682 0962
	Job Kubheza	011 682 0911
Sasol Gas	Bruce van den Heuwel	011 865 8563
Telkom	Lazarus Ramalobela	011 309 9186
Gauteng Traffic Benoni	Chief Provincial Inspector	083 531 7470
	Solly Moumakwe	

THE SOUTH AFRICAN NATIONAL ROADS AGENCY

APPENDIX XVII A

MATERIALS AND DESIGN SUBMISSION SCHEDULE

CONTRACT NRA R.021-002-2008/2

UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN INTERCHANGE (km 1,18)(11,63) TO POMONA INTERCHANGE (km 12,81) (12,30 km)

SITE MEETING NO 19 HELD ON 20 APRIL 2011

VELA VKE

Updated : 2011/04/19

SUPPLIER	USAGE IN THE WORKS	DESCRIPTION OF SAMPLES & DATA SUBMITTED FOR APPROVAL/ACCEPTANCE			SOURCE	SUBMITTED TO	DATE SUBMITTED	SAMPLE NO.	ENGINEER'S DECISION	DATE OF ENGINEER'S DECISION	RE-SUBMISSIONS
		DESIGN DATA	MATERIAL	MATERIAL QUANTITY							
BTB MIX DESIGN											
Much Benoni	BASE	BTB mix design	22mm Stone as per design	1 bag	Afrisam rooikraal	Soillab	17/03/09	A001	Accepted	17/11/09	
			13,2 mm Stone as per design	1 bag	Afrisam rooikraal						
			9,5 mm Stone as per design	1 bag	Afrisam rooikraal						
			6,7 mm stone,	1 bag	Afrisam rooikraal						
			Lime filler	1 bag	Lytelton Dolomite						
			Crusher sand	1 bag	Afrisam rooikraal						
			Crusher sand	1 bag	PPC						
			Pen Bitumen 40/50	Small cans							
Much Pomona Plant	BASE	BTB mix design (Back up)	22.4mm Stone as per design	25kg	Afrisam Dolerite	Site lab	02/11/09 02/02/10	A013	Rejected	03/03/10	
			13,2 mm Stone as per design	25kg	Afrisam Dolerite						
			9,5 mm Stone as per design	50kg	PPC Leaconia						
			6,7 mm stone,	50kg	Zimbiwa Dolomite						
			Lime filler	50kg	Hydrated lime and plant						
			Crusher sand	50kg	Zimbiwa Dolomite						
			Crusher sand	50kg	PPC Leaconia						
			Pen Bitumen 40/50	1 liter							
CONCRETE											
Pronto ready mix	Bridge Structures	W 30/19	Super sand	35kg	Glen Douglas	Soillab	17/03/09	A002	Accepted	27/10/09	
		W 30/19 P	Filler sand	25kg	Vereniging						
		W 40/19	CEM I 52.5 N	25kg	LA farge SA						
			Fly ash	25kg	Ulula						
			Admixture	5 liter	Crushco						
			19mm aggregate	75kg	Benoni gold mine						
Afri mix	Blinding	15/22	19mm concrete stone	25kg x 6 bags	Zimbiwa	Site lab	20/09/09	A006	Rejected	04/12/09	
	Drainage Structures	20/22	Cement CEM I 52.5N	25kg x 3 bags	PPC						
	Drainage Structures	25/22	Crusher sand	25kg x 6 bags	Zimbiwa						
	Drainage Structures	30/22	Filler sand	25kg x 4 bags	Sky sand						
	Median Barrier Wall	W 30/22	Admixture	5litre	Crushco						
	Median Barrier Wall	W 40/22	Fly Ash	25kg x 2 bags	Lethabo						
			GGBS	25kg x 3 bags	Vanderbijlpark						
Mranzi mix	Blinding	15/19	19mm concrete stone	40kg x 3 bags	Bombela Crushers	Site Lab	20/09/09	A007	Accepted	14/11/09	
	Drainage Structures	20/19	Cement CEM I 42.5N	40kg x 2 bags	PPC						
		25/19	Crusher sand	40kg x 3 bags	Bombela Crushers						
		30/19	Filler sand	40kg x 3 bags	Sky sand						
	Median Barrier Wall	W 30/19	Admixture	2litre	Glenium	Soillab				09/12/09	
		W 30/19 P	Fly Ash	40kg x 1 bag	Lethabo						
		W 40/19	9.5mm concrete stone	40kg x 3 bags	Bombela Crushers						
		W 40/19 P									

THE SOUTH AFRICAN NATIONAL ROADS AGENCY

APPENDIX XVII A

MATERIALS AND DESIGN SUBMISSION SCHEDULE

CONTRACT NRA R.021-002-2008/2
UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN INTERCHANGE
(km 1,18)(11,63) TO POMONA INTERCHANGE (km 12,81) (12,30 km)

SITE MEETING NO 19 HELD ON 20 APRIL 2011

VELA VKE

Updated : 2011/04/19

SUPPLIER	USAGE IN THE WORKS	DESCRIPTION OF SAMPLES & DATA SUBMITTED FOR APPROVAL/ACCEPTANCE			SOURCE	SUBMITTED TO	DATE SUBMITTED	SAMPLE NO.	ENGINEER'S DECISION	DATE OF ENGINEER'S DECISION	RE-SUBMISSIONS
		DESIGN DATA	MATERIAL	MATERIAL QUANTITY							
Skyline Ready Mix	Median Barrier Wall	W 30/19 W 40/19	22.0mm Dolomite		Olifantsfontein	Soillab	08/03/10	A026	Accepted		
			Dolomite Crusher		Olifantsfontein						
			Filler Sand								
			Omega 101	5 litre							
			CEM11 A-M (V-L) 42,5 (Lafarge)								
Skyline Ready Mix	V-drains; Electrical sleeve encasements; manholes; gantry basesand plintha	30/19	19mm Dolomite	910kg	Zimbiwa	Soillab	13/09/10	T5A	Accepted		
			Washed Crusher Run	771 kg	Zimbiwa						
			UW Plaster sand	155kg	Sky sand						
			Omega 136	1,36 Liter							
			Water	155 Liter							
			42.5 Powercrete	315 kg							
LAYER WORKS											
Crushco	Upper SSG	3% Cement stabilized (Afrisam CEM V/A (S-V) 32.5 N	G7	8 bags	Crushco granite	Site lab		A008	Accepted	27/10/09	
	Lower SSG		G7	10 bags							
Crushco	Upper Subbase Lower Subbase	3% Cement stabilized (Afrisam CEM V/A (S-V) 32.5 N	G5	4 bags	Crushco granite	Site lab		A008	Accepted	27/10/09	
Crushco	Stabilized layers	ICC (Afrisam CEM V/A (S-V) 32.5 N	G5	bags	Crushco granite	Soillab		A011	Accepted	27/10/09	
Afleane Gold Mine	Base Layer works Widening	G 1 base	G 1 base	8 bags	Afleane Gold Mine	Soillab	30/09/09	A009	Accepted	25/03/10	
AfriSam	Base Layer works Widening	G 1 base	G 1 base		Jukskei	Soillab	08/11/10	A060	Pending - Further testing	25/11/10	

THE SOUTH AFRICAN NATIONAL ROADS AGENCY

APPENDIX XVII A

MATERIALS AND DESIGN SUBMISSION SCHEDULE

CONTRACT NRA R.021-002-2008/2

UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN INTERCHANGE (km 1,18)(11,63) TO POMONA INTERCHANGE (km 12,81) (12,30 km)

SITE MEETING NO 19 HELD ON 20 APRIL 2011

VELA VKE

Updated : 2011/04/19

SUPPLIER	USAGE IN THE WORKS	DESCRIPTION OF SAMPLES & DATA SUBMITTED FOR APPROVAL/ACCEPTANCE			SOURCE	SUBMITTED TO	DATE SUBMITTED	SAMPLE NO.	ENGINEER'S DECISION	DATE OF ENGINEER'S DECISION	RE-SUBMISSIONS
		DESIGN DATA	MATERIAL	MATERIAL QUANTITY							
ASPHALT MIX DESIGN											
AE-2 AC Medium Pomona	40 mm Asphalt Surfacing	Asphalt design D3	9.5mm stone design		PPC Leeuwkloof	Soillab	02/02/10		Accepted	17/02/10	
			6.7mm stone design		Zimbiwa Benoni						
			Crusher sand		PPC Leeuwkloof						
			W/Crusher sand		Zimbiwa Benoni						
			M/Sand		City deep						
			Filler		Plant						
			AE 2 -Bitumen		Colas						
AC Medium Benoni	40 mm Asphalt Surfacing	Asphalt design D3	9.5mm stone design	15kg	PPC	Soillab	10/09/09 10/02/10	A004	Rejected	17/02/10	
			6.7mm stone design	15kg	Zimbiwa						
			Crusher sand	15kg	Zimbiwa						
			W/Crusher sand	15kg	PPC						
			M/Sand	15kg	City deep						
			Filler: Lime stone dust	5kg	Lylelton Dolomite						
AC Medium Benoni (Alternative)	40 mm Asphalt Surfacing	Asphalt AE-2 design D3	9.5mm Dolerite	15kg	Atrisam rooikraal	Soillab	24/03/10	A030	Witheld	Pending	
			6.7mm Dolomite	15kg	Atrisam rooikraal						
			Crusher sand Dolerite	15kg	Atrisam rooikraal						
			Crusher sand Dolomite	15kg	Atrisam Olifantsfontein						
			Mine Sand Summit	15kg	City deep						
			Dolomite Dust		Lylelton Dolomite						
			Binder: AE2 Bitumen		Colas						
EMULSION -TREATED BASE											
	Crack Seal	Crack Seal	Crack Colseal (CC-E1)	5 liter	Colas	Soillab	30/09/09	A010	Rejected	27/10/09	
KPm	Crack Seal	EL Crack Seal	Class C-E1 Polymer Modified Crack Sealant	2 liter			15/02/10	A023	Rejected	03/03/10	
PRIME											
TARSPRAY	Prime Base Layer	na	E - Prime	na	Tarspray	na	na	na	Accepted	26/03/10	

"na" = not applicable

THE SOUTH AFRICAN NATIONAL ROADS AGENCY

APPENDIX XVII B

MATERIALS QUALITY CONTROL

CONTRACT NRA R.021-002-2008/2
UPGRADING OF NATIONAL ROUTE R21 SECTION 1 : RIETFONTEIN INTERCHANGE
(km 1,18) TO POMONA INTERCHANGE (km 12,81)

SITE MEETING 19 HELD ON 20 APRIL 2011

VELA VKE

Updated : 2011/04/20

Work Description	DESCRIPTION OF COMPLETED WORK SUBMITTED FOR ACCEPTANCE			SOURCE/SUPPLIER	NO.OF SECTIONS	ENGINEER'S DECISION
	MATERIAL DESCRIPTION	MATERIAL CLASSIFICATION	SPECIFICATION REQUIREMENTS			
Roadbed/Fill	Chert / Ferricrite /Sandy Soil	G8	CBR - 7 @ 93%	Insitu	109	Accepted
Lower Selected	Granite	G7	CBR- 15 @ 93%	Crushco	53	Accepted
Upper SSG Stabelised	Granite	G7	UCS 1200 KPa @ 93% ITS 150 Kpa @ 100%	Crushco	49	Accepted
Subbase Stabilised	Granite	G5	UCS 1800 KPa @ 97% ITS 250 Kpa @ 100%	Crushco	48	Accepted
BTB Base	Asphalt	BTB	Design	Much Benoni Plant	65	Accepted
Surfacing Wearing Course	Asphalt	ACM AE2	Design	Much Asphalt Pomona	139	Accepted
Crush Stone Base	Quartzite	G1	88% Apparent Density	Aflease Gold Mine	25	Accepted
UTFC	UTFC	UTFC	Roadspan Design	Much Asphalt Pomona	94	Received

Apendix XVIII- BEE DATA

SOUTH AFRICAN NATIONAL ROADS AGENCY LTD

PROGRAMME FOR BROAD-BASED BLACK ECONOMIC EMPOWERMENT

FORM BEE 13: COMMUNITY LIAISON MEETINGS

CONTRACT NO:	NRA R.021-002-2008/2	Project Phase: Design	Package J	
		Supervision	X	
REPORT ON COMMUNITY LIAISON MEETINGS FOR THE MONTH OF		March	**YEAR 2011**	

Date of meeting	Company/ Firm/ Organisation responsible for arranging the meeting *Name*	*Vendor No*	No of Community Members present	Duration of meeting (hours)	Total Cost of the Meeting	Comments

Apendix XVIII- BEE DATA

SOUTH AFRICAN NATIONAL ROADS AGENCY LTD

PROGRAMME FOR BROAD-BASED BLACK ECONOMIC EMPOWERMENT

FORM BEE 9.1: EMPLOYMENT SUMMARY

CONTRACT NO: NRA R.021-002-2008/2

REPORT ON EMPLOYMENT ON THE ABOVE CONTRACT FOR THE MONTH OF March YEAR 2011

Name of Company or Firm: Esorfranki Civils
Vendor No of Company or Firm: 0
Age of Company or Firm: 19YRS

Project Phase: Design J
Supervision X

Employment group	Employment Numbers																										
	Male									*Female*										*Total*							
	Total to date previous month (A)			Total this month (B)			Total to date (A+B)			Total to date previous month (C)			Total this month (D)			Total to date (C+D)			Total to date previous month (E)=(A+C)			Total this month (F) =(B+D)			Total to date (E+F) =(A+B+C+D)		
	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total	Black* People	Others	Total
Unskilled labour (US)	1991	0	1991	96	0	96	2087	0	2087	299	0	299	26	0	26	325	0	325	2290	0	2290	122	0	122	2412	0	2412
Skilled labour (SK)	2416	0	2416	209	0	209	2625	0	2625	70	0	70	5	0	5	75	0	75	2486	0	2486	214	0	214	2700	0	2700
Admin. (AD)	19	0	19	1	0	1	20	0	20	12	3	15	1	0	1	13	3	16	31	3	34	2	0	2	33	3	36
Foreman/Supervisor (F/S)	149	205	354	13	14	27	162	219	381	13	0	13	1	0	1	14	0	14	162	205	367	14	14	28	176	219	395
Technical Assistant (TA)	0	0	0	1	0	1	1	0	1	0	19	19	0	1	1	0	20	20	0	19	19	1	1	2	1	20	21
Technician (TE)	3	7	10	0	0	0	3	7	10	0	7	7	0	1	1	0	8	8	3	14	17	0	1	1	3	15	18
Engineer (EN)	23	44	67	1	2	3	24	46	70	0	0	0	0	0	0	0	0	0	23	44	67	1	2	3	24	46	70
Manager (MA)	0	19	19	0	1	1	0	20	20	0	0	0	0	0	0	0	0	0	0	19	19	0	1	1	0	20	20
Other (O): *(Specify)*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(Surveyor)	45	0	45	3	0	3	48	0	48	0	7	7	0	0	0	0	7	7	45	7	52	3	0	3	48	7	55
(Traffic Safety Officer)	0	36	36	0	2	2	0	38	38	0	10	10	0	0	0	0	10	10	0	46	46	0	2	2	0	48	48
(Safety Officer)	15	0	15	1	0	1	16	0	16	0	8	8	0	0	0	0	8	8	15	8	23	1	0	1	16	8	24
Sub-contractors	1423	0	1423	93	0	93	1516	0	1516	14	0	14	2	0	2	16	0	16	1437	0	1437	95	0	95	1532	0	1532
	0	0	0			0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0
Total this month (II)=(US)+(SK)+...+(MA)+(O)				418	19	437							35	2	37							453	21	474			
Total to date previous month (I)	6084	311	6395							408	54	462							6492	365	6857						
Total to date (I)+(II)							6502	330	6832							443	56	499							6945	386	7331

** Black People = African, Coloured and Indian who are South African Citizens*

Form completed by: Andile Mkhongo
Name _____ Signature _____ Date _____

Data certified correct Morne Barnard
Site Agent/Engineer's name _____ Signature _____ Date _____

CONTRACT NO. NRA R0.21-002-2008/2

CHECKING AND CORRECTIVE ACTION : ASSESSING PERFORMANCE RELATIVE TO THE OBJECTIVES AND TARGETS

APPENDIX XIX : ENVIRONMENTAL MANAGEMENT MONTHLY REPORT

MONTH: Apr-11 Report no: 2 Page 1 of 2

Contract:	NRA R.021-002-2008/2
Client:	SANRAL
Consulting Engineers:	Vela VKE
Contractor:	Esorfranki Civils
Environmental Officer:	Matome Frans Charana

NO.	*ENVIRONMEN*	ACTIVITY	*PROGRESS*
1	Establishment of Site Offices	Siting of Offices	Complete
		Site Plan	Construction camps - Complete Offices - Complete Workshop - Complete Staff Accommodation - Complete Testing facilities - Complete
2	Site Rehabilitation	Siting of Offices	Site will be rehabilitated at the end of the contract. Where site offices where erected, rehabilitation will take place and all construction material will be removed from site.
3	Vegetation	On Site	Cleared and Grubbed. All unwanted material is taken to the spoil site. (Spoil site - Plot 27, 28, 29 & 82 Maple Road, Pomona)
		Weeds	Cleared and Grubbed. All unwanted material is taken to the spoil site. (Spoil site - Plot 27, 28, 29 & 82 Maple Road, Pomona)
		Grass Cover	Cleared and Grubbed. All unwanted material was taken to the spoil site. (Spoil site - Plot 27, 28, 29 & 82 Maple Road, Pomona)
4	Water	Available for Human Consumption	Construction Site - Making use of 25L water containers. There are water containers as per section on site and they are refilled regularly All water containers are marked. Site offices - Making use of a borehole. Workshop - Making use of a borehole. Staff Accommodation - Making use of a borehole. Testing facilities - Making use of a borehole.
5	Soil Management	Topsoil	Suitable material gets stockpiled at Griffiths off ramp. Unsuitable Material goes to the spoil site. (Spoil site - Plot 27, 28, 29 & 82 Maple Road, Pomona)
		Borrow Material	All materials to come from commercial sources unless in situ materials approved for construction.
6	Archaeological & Cultural Sites	Discovery of Archaeological Sites of Artifacts	None
7	Graves	Discovery of Graves	None
8	Waste Management	Solid & Construction waste	Goes to spoil site. (Spoil site - Plot 27, 28, 29 & 82 Maple Road, Pomona)
		Litter	Waste bins with lids are provided for litter to the construction site office and Hostel . Waste is taken to Chloorkop Waste disposal Site .

ENVIRONMENTAL MANAGEMENT MONTHLY REPORT

MONTH: Apr-11 Report no: 2 Page 2 of 2

Contract: NRA R.021-002-2008/2
Client: SANRAL
Consulting Engineers: Vela VKE
Contractor: Esorfranki Civils
Environmental Officer: Matome Frans Charana

NO.	ENVIRONMEN	ACTIVITY	PROGRESS
9	Sewage Treatment	Toilet Facilities	Portable chemical toilets are made available for all site construction workers & visitors. Toilets are placed as per section along the entire project Toilets are cleaned twice in a week by a subcontractor
10	Hazardous Materials	Hazardous Materials	Cement: stored at workshop yard in pallets: (used for stabilising) Diesel - Stored in a 23000L steel diesel tank (safety signs and notices in place) Petrol: stored in small containers (containers marked) Gas - Used by the construction workers for cooking(hand gases stored in cages) Used oil.stored in a 1000l drum , and it is collected by oil kool for recycling
		Dust	Water tankers spraying water to suppress fugitive dust emissions on haul roads Employees: issued with dust mask FFP2
		Noise	Silencers are installed on all of our site plant to limit noise levels Employee are issued with ear muffs / earplugs
		Spillages- petrolium products	Vehicle or plant maintenance from site is not allowed (communicated on SHE meeting) Diesel bowser with funnels and drip trays is used for refuelling machiney and plant on site Spillages of tar and other fuels must be covered with sand and be shoveld into drums
		Spillages-other	Excavator operator is monitoring loads/rounds per truck to avoid spillages of material on the haul roads and high way.
		Vehicle washing	No washing of vehicles on site: Roadspan was issued an NCR for washing/cleaning their paving machine by spraying diesel all over the machine without drip trays
11	Social Impacts	HIV/AIDS	Site employees are informed about the transmision and prevention of sexual transmitted diseases at the Induction training and on safety talks. 04/01/2011 Re-Induction HIV/AIDS training done on site :07-15/09/2010,(253 employees trained)
		Protected Areas	Site employees are warned of accessing areas that are hazardous /unsafe.eg crossing high way, positioning themselves next to working machinery and smoking near flammables
12	General Considerations	Complaints/ NCR	Empty cement pockets were not properly stacked at the Site workshop yard Scaffold at the Isando pedestrian bridge has been dismantled Baricading of excavations is ongoing at site No complaints reported
		Site target	All site employees will strive for continual improvement in environmental performance to prevent and reduce pollution of soil and water. Site archived 90% on Environmental compliance audit held by Client Site SHEQ Management Meeting held on 15/04/2011

Signed: M F Charana — Environmental Officer

19/04/2011 — Date