

RESUME

1. **Name :** VIJAI KUMAR KANAUIA
2. **Designation :** Senior Technical Officer
3. **Date of Birth:** April 2,1974
4. **Nationality:** Indian
5. **Date of joining CSIR :** 4th January, 1996



6. **Education Qualifications :** B.E. (Civil Engineering), M. Tech in Geotechnical and Geoenvironmental Engineering (IIT Delhi)
7. **Phone/Fax/Email :** 09868856076, 08447893793 (Mob.)
011-26842612 (O) 011-26929481 (R)
vkk.ccri@nic.in ; vijaikanaujia@gmail.com

8. **Membership of Professional Societies:**

- Life Member of Indian Geotechnical Society
- Life member of Indian Geotechnical Society, Delhi chapter
- Member of Indian Road Congress

9. **Honour, Award, with date etc.**

- ❖ Awarded by **B.P.KAPADIA MEMORIAL PRIZES**(Third Prize) by **Institution of Engineers (India)** for the paper presented titled “**Newer product which are Eco- friendly incorporating Newer Technologies**” in seminar of All India Technician’s /Student Seminar on Emerging Technologies- Challenges for young engineers during Fifth IEI Convocation & Technician’s/Students convention at M S University ,Vadodara October 25-26,1997

10. **Patent Filled:**

- ❖ Title “**A method for stabilizing Fly ash by using Cement Kiln dust for Road Construction**” filled through ILT on 18th March, 2008, File No. -65NF 2008

11. **Publications: (Total No. of Publications = 16)**

❖ PAPERS IN NATIONAL/INTERNATIONAL JOURNALS

1. Kumar,R.,**Kanaujia V.K.** and Chandra D.(1999) “**Engineering behaviour of fibre reinforced Pond ash and Silty sand**” Published in Scientific/ Technical Journal Geosynthetics International 1999,Vol.-6,No. -6,Page (508-518)
2. Kumar,R.,**Kanaujia V.K.** and Ranjan Alok (2002) “ **An Experimental study on Potential of Cement Kiln Dust in stabilization of fly ash**” Published in Cement, Concrete and Aggregate,CCAGDP,Vol.-24,No.-1,June 2002,Page 25-27
3. V G Havangi, A K Sinha,**V K Kanaujia**, A. Ranjan & S. Mathur (2013) "Cinder waste material for the Construction of Road' *Journal of Indian highway,Vo.41(4),pp 69-72*
4. Uma Arun, **V K Kanaujia**, R K Swami, A. Ranjan & S. Mathur(2013) "Effect of purity of lime on strength & durability of soil-lime mixes" in *Journal of Indian highway,Vo.41(8), pp 47-54*

❖ PAPERS IN INTERNATIONAL CONFERENCES

1. Rakesh Kumar,**V.K.Kanaujia** and Deep Chandra(2000) ”**Laboratory investigation on Pond ash reinforced with Polyester fibre**” in 2nd International Conferences organized by CBIP and Fly Ash Mission,TIFAC,Ministry of Science & Technology New Delhi. 2-4 February 2000,Session VIII-5,Vol.-11, Page 30-35
2. R. Ayothiraman, Vasant Matsagar, **V.K.Kanaujia** “**Influence of Superstructure Flexibility on Seismic Response pile foundation in sand**” International Conference on 15th World Conference in Earthquake Engineering (15WCEE), 24-28 September,2012 Lisbon, Portugal.

❖ PAPERS IN NATIONAL CONFERENCES

1. **Vijai Kumar Kanaujia**.(1997) “**Newer Product which are eco-friendly incorporating newer technologies**” Presented in All-India Technicians/Student Seminar on “Emerging Technologies –Challenges for Young Engineers during Fifth IEI Convocation & Technicians/Students Convention at M.S. University Vadodara (Gujarat) and **Awarded by B.P. Kapadia Memorial Prize by Institution of Engineers(India)**
2. Sinha A.K.,Vasant Havanagi G. **Kanaujia V.K.** (2005) “**Establishment of Correlation between SPT ‘N’ Values Relative density & Shear Characteristics of Pond ash Embankment fills –A case study** ” Published in the Proceeding of Indian Geotechnical Society ,organized by Nirma University, Ahamdabad (Gujarat) IGS-2005,17-19 Dec. 2005 hamdabad (India) Vol. 2, 327-330.
3. Dr. Kishor Kumar, P.S.Prasad, Sudhir Mathur & **V.K.Kanaujia** “**Geological & Geotechnical Investigations of Patalganga Landslide adjacent to NH-58 Garhwal,Uttaranchal-A case Study**” IGC Dec. 2006 Chennai,
4. Dr. Vasant G. Havanagi, A.K Sinha, **V.K.Kanaujia** “**Relative density criteria for quality control of fly ash embankment fills**” IGC Dec. 2006 Chennai, 871-874.
5. **Kanaujia V.K.**, Guruvittal, U.K., Ganesh, J., Mathur Sudhir “**Electrical Resistivity**

Technique for Ground Characterisation - A case Study” Third Indian Young Geotechnical Engineers Conference (3IYGEC), 25-26, March 2011, Indian Geotechnical Society, New Delhi, 329-334.

6. Gupta Pankaj, Ganesh J., **Kanaujia V.K.**, Mathur Sudhir Singh, Bhoop “Probable causes and Remedial measures for Amparav landslide, Nainital Distt. Uttarakhand, India” Third Indian Rock Conference (INDOROCK-2011), 13-15, October 2011, Roorkee, (India), 351-366.
7. **Kanaujia V.K.**, Swami, R.K., Mathur Sudhir “**Low Cost Specification for the construction of low volume roads** ” Indian Geotechnical Conference (IGC-2011) Geochalanges, 15-17, December 2011, Kochi, Kerala (India), 1081-1084.
8. **V.K.Kanaujia**, V.G.Havanagi, A.K.Sinha and S. Mathur (2012). **Design of capillary cutoff using locally available granular materials.** Proceeding of Indian geotechnical conference, New Delhi, pp 416-419, Vol.1.
9. V.G.Havanagi, A.K.Sinha, A Ranjan, V.K.Kanaujia and S. Mathur (2012). **Super fine copper slag waste material for embankment construction.** Published in CSIR-CRRI diamond jubilee conference, vol. 1, pp 50-52.
10. **V.K.Kanaujia**, V.G.Havanagi, A.K.Sinha and S. Mathur (2012). **Suitability of granular materials for capillary cutoff.** Published in CSIR-CRRI diamond jubilee conference, vol. 1, pp 106-109.

12. Participation in the R&D, Sponsored and Consultancy activities of the Laboratory/Institute:

Participated in a number of sponsored and consultancy projects related to ground improvement, waste material utilization, landslide investigations and quality control/quality audit of road projects.

The list of sponsored, consultancy, Technical Services, Testing, Inhouse project under which candidate has participated are listed below.

Sl No.	Title of Project	Project Category	Participating Agencies	Role of candidate
1	Use of Kimberlite Wastes in Road Construction	Sponsored	CRRI, NMDC	Team Member
2	Design of flyash embankment for Noida-Greater Noida Express Highway	Sponsored	NOIDA Authority and Greater NOIDA Authority	Team Member
3	Technical Audit of PMGSY Roads	Sponsored	Indian Audit and Accounts Department	Team Member
4	Landslide Investigation and Remedial Measures for Stabilization of Slopes at KM-45 on NH-158, Mizoram	Sponsored	BRO	Team Member
5	Development and Application of Technologies for Sustainable Transportation (SUSTRANS)	Sponsored	CSIR	Team Member
6	Engineering Disaster Mitigation and health Monitoring for Safe and Smart Built Environment (EDMISSIBLE-	Sponsored	CSIR	Team Member

	ESC0102)			
7	Development of Management System for Maintenance Planning and Budgeting of High Speed Corridors (Supra Institutional Project)	Sponsored	CSIR	Team Member
8	Engineering of Structure against natural and other disaster' field work at NH-22 in Haryana, Punjab Himanchal Pradesh	Sponsored	CRRI, SERC-Chennai	Team Member
9	Detailed geological & Geotechnical investigation, instrumentation and monitoring of Amparav Landslide, Uttaranchal state	Sponsored		Team Member
10	Investigation of Land slide at Kalisaur on NH-58, Garwal (Utranchal) & Design of control measures for long term stability	Sponsored	CRRI, DST	Team Member
11	Demonstration Project on Use of Jute Geotextiles in PMGSY Roads	Sponsored	CRRI, JMDC, Ministry of Textiles, NRRDA PWDs of Five states	Team Member
12	Feasibility Study on Utilisation of Air-cooled Blast Furnace Slag (ACBFS) in Road	Sponsored	<i>RDCIS, Ispat Bhawan Ranchi</i>	Team Member
13	Evaluation of Soil Crete ^R / Zeo Crete ^R Soil Stabilizing Compound for Road Construction	Sponsored	<i>Longyea e-Solution Pvt. Ltd. New Delhi</i>	Project Leader
14	Detailed investigation and design of High Embankment on soft ground for Kalindi Bypass from Kalindi colony to Kalindi Kunj (Road No.13A) N. Delhi	Sponsored	CPWD	Team Member
15	Detailed investigation for monitoring of sinking/ slope movement/ land slide on Phuentsholing - Thimphu Road in Bhutan	Sponsored	Bhutan	Team Member
16	Construction of Demonstration stretches utilizing Fly ash at Ramagundam in collaboration with A.P Ramagundam Thermal Power station,	Sponsored	DST	Team Member
17	Construction of Demonstration stretches utilizing Fly ash at Raichur in collaboration with Karnatka Thermal Power station	Sponsored	DST	Team Member
18	Construction of Demonstration stretches utilizing Fly ash at Dadari in collaboration with National Thermal Power station, Dadari.	Sponsored	DST	Team Member
CONSULTANCY PROJECTS				
1	Instrumentation & Monitoring of Band Drain Treated Zone at Visakhapatnam Port Connectivity Road	Consultancy	CRRI, NHAI, Consultant and Contractor	Team Member
2	Design and Construction of Hydraulic Fill	Consultancy	CRRI, CPWD	Team Member
3	Failure Investigations of High Embankment on	Consultancy	CRRI, IRCON and	Team

	Noida_Greater Noida Expressway		NOIDA Authority	Member
4	Design and Construction Supervision of Reinforced Earth Wall at Sarita Vihar Flyover, New Delhi	Consultancy	CRRRI, DDA	Team Member
5	Design and Construction Supervision of Roads In Dwarka City, Dwarka, New Delhi	Consultancy	CRRRI, DDA	Team Member
6	Feasibility Study on Use of Copper in Road Construction.	Consultancy	Birla Copper	Team Member
7	Design & Construction Supervision of 30m, 20m and 12m wide roads in sector 24, Phase II (Dwarka)	Consultancy	CRRRI, DDA	Team Member
8	Investigation and Recommendations for Landslides on NH-54, Mizoram & NH-39, Manipur	Consultancy	BRO	Team Member
9	Feasibility study of Stabilig as a soil stabilizing agent	Consultancy	<i>Stabilig Road Solution Pvt.Ltd,</i>	Project Leader
10	Stabilization of platform at Diglipur Andaman	Consultancy	<i>MES , Andaman</i>	Team Member
11	Geotechnical investigation for the construction of 100 m road from RD-15000 to RD 20550 connecting to NH-10 & Bakkarwala, New Delhi	Consultancy	<i>DDA</i>	Team Member
12	Sub Soil Investigation for the 4 lane Single Bridge RD 17800 on Gurgaon canal connecting Sec 55 & 56 Ballabgarh, Haryana	Consultancy	<i>Irrigation Dept. Faridabad, Govt of Haryana</i>	Team Member
13	Design of Capillary cut off and improvement of sub grade layer (construction of Thanesar dhand to Khanouri road)	Consultancy	<i>Public Works Department (B&R) Kaithal (Haryana)</i>	Project Leader
14	Embankment and Pavement design of two lane road on existing embankment bund (Km. 13.175 to Km.17.000) adjacent to NH-24 on the upstream right side of Hindan River, Ghaziabad (Utter Pradesh)	Consultancy	<i>U.P.Irrigation, Ghaziabad (U.P.)</i>	Project Leader
15	Soil investigation for the construction of pedestrian subway at Air Force Palam area, New Delhi	Consultancy	MES	Team Member
16	Soil investigation for the construction of 6 lane single span bridge at three different RD's 29800,37000and 42000 over Gurgaon canal feeder connecting sector 19-28,17-18 & 14-17 Faridabad ,Haryana	Consultancy	<i>Irrigation Deptt. Faridabad (Haryana)</i>	Team Member
17	Design of Soil nail system for Stabilisation of sub-soil during construction of underpass using box pushing technique below the existing Railway line near Sahibabad,U.P	Consultancy	<i>Ghai Construction Ltd. Faridabad</i>	Team Member
18	Feasibility study on utilization of Phosphogypsum as Road Construction material	Consultancy	M/s Paradeep Phosphates Ltd., Orissa, India.	Team Member
19	Feasibility study on usage of super fine copper slag in land filling road construction	Consultancy	Hindalco industries Ltd, Dahej, Gujarat	Team Member
20	Feasibility study of Vedanta IPP Coal ash samples for	Consultancy	Vedanta IPP	Team

	Road and Embankment construction		Jharsuguda, Orissa	Member
21	Quality assurance of proposed PSC Bridge over Hindon NH-58E, near Mohan Nagar ,Ghaziabad during construction	Consultancy	U.P. PWD	Team Member
22	Feasibility study of cinder waste material for road construction	Consultancy	Tata steel, Jamshedpur	Team Member
23	Geotechnical study of Jugsalai cinder Dump area for building construction	Consultancy	Tata steel, Jamshedpur	Team Member
24	Consultancy Services for Quality Audit of Lucknow–Muzaffarpur National Highway Project	Consultancy	NHAI	Team Member
25	Sub Soil Investigation for the design and construction of Bridge over Gurgaon Canal near Sector 73 and 74 Faridabad, Haryana	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
26	Evaluation of Soil Strata for Central Spine Road near T3 Terminal at IGI Airport	Consultancy	DMRC Ltd	Team Member
27	Reviewing Embankment Design for Construction of Two Lane Road With Paved Shoulder in NH-31 of Khagria Pumea Section (Km 298+00 to Km 317+00)	Consultancy	Neel Construction links Pvt. Ltd	Team Member
28	Sub Soil Investigation for the 4 lane Single Bridge RD 17800 on Gurgaon canal connecting Sec 55& 56 Ballabgarh, Haryana	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
29	Sub soil investigation for the construction of 6 lane bridge at Km. 8.050 on Agra canal linking Meethapur / Jaitpur location to Delhi Agra National Highway	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
30	Design of Remedial measurement at Lukhbir slide on NH-31A (Sikkim)	Consultancy	BRO	Team Member
31	Validation of Hill slope protection work proposed in NH-22 in Himanchal Pradesh	Consultancy	J.P.Industries	Team Member
32	Suitability of sand material for capillary cut off	Consultancy	PWD B&R Jhajjar, Haryana	Project Leader
33	Design of filter material for capillary cutoff and assessment of suitability of soil for embankment / sub grade	Consultancy	PWD B& R Fatehabad, Haryana	Project Leader
34	Feasibility Study of JGRS Soil Stabilizer	Consultancy		Team Member
35	Design and Execution of Soil nail wall system for the stabilization of Rly. Embankment for the construction of underpass using box pushing under the existing Railway line near Apsara Border, New Delhi	Consultancy	AFCON Infrastructure Ltd.	Team Member
36	Feasibility Study of Super Fine Copper Slag in Road Construction	Consultancy	Birla Copper Pvt Ltd.	Team Member
37	Sub soil investigation for the construction of 6 lane	Consultancy	Irrigation Dept,	Team

	bridge at Km. 8.050 on Agra canal linking Meethapur / Jaitpur location to Delhi Agra National Highway		Faridabad, Govt of Haryana	Member
38	Stabilisation of soil for parade grounds of Delhi Police Training School Jharoda Kalan, Nazafgarh, New Delhi	Consultancy	Delhi Police	Team Member
39	Widening of Marginal Bundh road from GT Road to Khajori chowk Rd 0 to 4120 m Road No.59 & Design of Embankment using pond Ash	Consultancy	CPWD	Team Member
40	Investigation of Land slide on Aizwal Lungiai Road (BRO)	Consultancy	BRO	Team Member
41	Investigation and Designing of sub-surface Drainage for Perimeter Road at Civil Airport, Pantnagar	Consultancy	IAAI	Team Member
42	Performance Audit of Public Private Partnership (PPP) Road Projects of NHAI	Consultancy	CRRI, NHAI, Indian Audit and Accounts Department	Team Member
43	Investigation and Remedial measures for the stabilisations of Slope at Km 214.240 (Mao Slide), Nagaland	Consultancy	BRO	Team Member
44	Design of Ground improvement measures and reinforced earth wall at Patna (CNP-1426)	Consultancy	Tantia Construction Ltd.	Team Member
45	Sub soil investigation for the construction of Bridge over Gurgoan canal feeder at RD -42848, Faridabad (Haryana)	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
46	Investigation of unstable slope on Northern Eastern site of the IIRS Campus & suitable majors for its prevention	Consultancy	CRRI, IIRS-Dehradun	Team Member
47	Investigation and Remedial measures for the stabilization of Slope at Km 214.24 ,Mao Slide on NH-39	Consultancy	BRO	Team Member
48	“Design & Construction Supervision of 30m, 20m and 12 m wide road in Sector 24, Dwarka Phase-III Dwarka”	Consultancy	DDA	Team Member
49	“Sub soil investigation for the construction of Bridge over Gurgoan canal feeder at RD -42848, Faridabad (Haryana)	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
50	Technical inspection of construction package NS-20 & NS-21 of north south corridor under PIU Gwalior under NHDP	Consultancy	Indian Audit and Accounts Department	Team Member
51	Technical inspection of construction package NS-1(Punjab) under PIU Jalandhar on NH-1 under NHDP	Consultancy	Indian Audit and Accounts Dept	Team Member
52	Technical inspection of construction package NS-2(Haryana) under PIU Jalandhar on NH-1 under NHDP	Consultancy	Indian Audit and Accounts Department	Team Member
53	Technical inspection of construction package NH-1	Consultancy	Indian Audit and Accounts	Team Member

	Sonipat under PIU Sonipat (Haryana) under NHDP		Department	
54	Technical inspection of Surat-Manor construction package I, II, III under PIU Vadodara under NHDP	Consultancy	Indian Audit and Accounts Department	Team Member
55	Widening of Marginal bundh road from GT road to Khajouri chowk Rd 0 to 4120m Road No.- 59 & Design of embankment using pond ash	Consultancy	CPWD	Team Member
56	Investigation for failure of road embankment Km.52-54 ,NH-21 Ropar (Punjab)	Consultancy	Panjab,PWD	Team Member
57	Selection of backfill material and method statement for compaction of backfill over Metro tunnel Alignment between Barakhamba Road-Cannaught Place-Dwarka section	Consultancy	Senbo Engineering Limited	Team Member
58	Geo-environmental & Geotechnical Studies at Manal lime stone mine in Rajban for stabilization of Land Slide (H.P.)	Consultancy	Cement Corporation of India,Rajban	Team Member
59	Subsoil Investigation for the proposed construction of Bridge on approach Road across Budhia Nallah AFNHB 'Y' Site project Faridabad (Haryana)	Consultancy	Irrigation Dept, Faridabad, Govt of Haryana	Team Member
60	Subsoil Investigation for the proposed construction of Scientist partment ant MBSQ, Maharani Bagh New Delhi	Consultancy	CRRI	Team Member
61	Utilization of Birla Copper waste in Road works	Consultancy	Birla	Team Member
62	Characterization of Pond ash, Dry fly ash & Bottom ash for UPRVNL Power Plant	Consultancy	UPRVNL Power Plant	Team Member
63	Consultancy for evaluation of Base/sub base materials	Consultancy	CPWD	Team Member
64	Characterization of Back Fills for Use in Reinforced Earth approach Embankment of Andrews ganj & Mayapuri, Delhi	Consultancy	Delhi,PWD	Team Member
65	Investigation of Suitability of soil for Use in Embankment Filling and sub grade construction, widening of road towards Sarai kala khan ISBT & Yamuna river.	Consultancy	Delhi,PWD	Team Member
66	Investigation for sinking /subsidence zone (Km 292 to 312 of NH-31) at Khagaria ,Bihar	Consultancy	Ministry of Road Transport and Bihar PWD	Team Member
67	Determination of Bearing Capacity of Soil at Andrews ganj Flyover Approach	Consultancy	Delhi,PWD	Team Member
68	Improvement & Strengthening of Road net work at Visakhapatnam port trust area in Visakhapatnam	Consultancy	Visakhapatnam port trus	Team Member
69	Subsoil Investigation for Bandhwa majdoor Resettlement scheme,Sec-43 Faridabad (Haryana)	Consultancy	Haryana,PWD	Team Member
70	Design of Embankment using hydraulic fill for	Consultancy	CRRI, CPWD	Team

	widening of Mb Road from ITO Chungi Jn. To Old Yamuna ridge 4lane to 8 lane			Member
71	Design & construction of Reinforced earth retaining wall at Sarita Vihar Flyover ,New Delhi	Consultancy	CRRRI, CPWD	Team Member
72	Investigation and Design of Flexible pavement for New Road work in DDA Project, Dwarka, Delhi	Consultancy	DDA	Team Member
73	Subsoil Investigation and foundation recommendation for culvert in Dwarka Sub city ,Delhi	Consultancy	DDA	Team Member
74	Quality Control, Supervision & suggestion for Use of Pond ash in approach Embankment for Bridge Across supplementary drain near Mokerba Chowk,NH-1,	Consultancy	CPWD	Team Member
75	Feasibility study for Use of Pond ash in approach Embankment for Bridge Across supplementary drain near Mokerba Chowk NH-1,New Delhi	Consultancy	CPWD	Team Member
76	Pavement design for U.P.State Bridge Corporation Ltd. at Alligarh (U.P.)	Consultancy	U.P.State Bridge Corporation	Team Member
77	Development of Specification for construction of roads using Fly ash in Dhanbad	Consultancy		Team Member
78	Feasibility Study for the Utilization of Renolith in Road works	Consultancy		Team Member
79	Subsoil Investigation for rating of Earth quake Risk for M/s Escort JCB Ballabgarh	Consultancy	M/s Escort JCB Ballabgarh	Team Member
80	Utilization of Steel Plant By Product in Road works at Rourkela (Orissa)	Consultancy	SAIL	Team Member
81	Use of Fly ash in construction of eastern Approach Embankment Second Nizamuddin Bridge, New Delhi	Consultancy	CRRRI,CPWD	Team Member
82	Feasibility Study of Fly ash of Panki Thermal Power Station, Kanpur for its use in Road & Embankment.	Consultancy	Panki Thermal Power Station, Kanpur	Team Member
83	Subsoil Investigation for rating of Earth quake Risk for M/s Samtel Electronic Device,Ghaziabad (U.P.)	Consultancy	M/s Samtel Electronic Device ,Ghaziabad	Team Member
84	Feasibility Study of construction of Low cost Village road using fly Ash	Consultancy		Team Member
TECHNICAL SERVICES PROJECTS				
1	Geotechnical characterization of Soil for the Defence project	Technical services	MES, Delhi	Project Leader
2	Laboratory investigation for GSB sample supplied from Varanasi-Aurangabad section of NH-2 for six laingng road project	Technical services	NHAI, Varanasi	Project Leader
3	Construction of Eastern Approach Embankment & Guide Bound of Signature Bridge-Third Party Quality Assurance	Technical services	DTTDC Ltd	Co-Project Leader
4	Evaluation of Physical & Engineering properties of Sand Sample for suitability in WMM mix in Road	Technical services	Punj Lioyd, Orissa	Project Leader

	works			
5	Laboratory testing of Soil for construction of R.O.B. on Delhi Rewari railway line level crossing on Pankha Road	Technical services	DDA	Project Leader
6	Laboratory testing of back fill material for use in reinforced earthwork construction for Bridge project Bhadrak Orissa	Technical services	Gammon India Ltd.	Project Leader
7	Design review for the construction of Reinforced soil wall structure for construction of 4 lane By-pass on NH-76 at Kota	Technical services		Team Member
TESTING PROJECTS				
1	Testing of GSB Grade III material	Testing	BHP Infrastructure Pvt.Ltd.	Project Leader
2	Testing of GSB samples for the Widening and strengthening of NH-24 from Km 58 to Km 93 to 4 lane standards Hapur to Garhmukteswar (TP-70)	Testing	UP State Bridge Corporation Ltd.	Project Leader
3	Testing of Soil samples from ROB RE wall filling at Ch.98.0of NH-8,near Rewari (Along Delhi bound Traffic lane)	Testing	NHAI	Project Leader
4	Construction of R.O.B. on delhi–Rewary railway line level crossing on Pankha road & a half trump at intersection of Pankha road & station road	Testing	for DDA	Project Leader
5	Laboratory testing of back fill material for use in construction of Flyover Reinforced earth wall at Gazipur & GT Road No.66	Testing	AFCON Infrastructure Ltd.	Project Leader
6	Laboratory testing of back fill material of Gopalapuram Ramp(A.P.)	Testing	for L & T	Project Leader
7	Laboratory testing of Soil for AFNHB 'Y' Jn. for Road construction work Faridabad (Haryana)	Testing	Air Force Navel Housing Board	Project Leader
8	Testing of Fly ash from Parichha Thermal Power Plant stage-II.	Testing	BSES Ltd	Project Leader
9	Evaluation of Soil Strength properties	Testing	RITES	Project Leader
IN-HOUSE PROJECT				
1	Effect of Purity of lime on Strength & Durability of Different types of soils	In-house project	CRRRI	Team Member
2	Relative density criteria for quality control of fly ash fill"	In-house project	CRRRI	Team Member
3	Development and Evaluation of Soil nailing technique for stabilization of Vertical Slopes with Surcharge	In-house project	CRRRI	Team Member