



C E O STATEMENT

RINL-VSP, keeping in perspective the place where it is situated, had taken immense strides in conserving the environment, and within the 25 years of its existence, has created lush greenery out of barren saltpans and dry shrub land. There has been consistent efforts to minimise the environmental pollution and degradation, which is associated with Steel Industry.

In line with the inherent working principle of environment friendly steel, RINL-VSP has embarked upon the journey of sustainable development of the Society at large. RINL-VSP since inception, through various departments, have been a catalyst of change for the betterment of the peripheral society and beyond, be that in terms of health, water supply, sanitation, infrastructure, education, environment protection, water harvesting, employment and employability. Logically, during the Silver Jubilee year of existence, RINL-VSP had reaffirmed its philosophy of 'Sustainable Development' and focussed sporadic efforts for peripheral development into a documented Policy for Corporate Social Responsibility and embarked upon the path of CSR since 2006-07:

One of the Objectives of RINL VSP CSR Policy is "To be a Member of Global Compact Forum and subscribe to its principles for its implementation in RINL". This shows the importance RINL VSP has given in becoming Member of United National Global Compact. RINL VSP has become a Member of UNGC. Our guiding principle has been the UNO Charter on CSR that all impacts of a Company on society and the need to act responsibly with the impact upon stakeholders. We have dedicated our CSR Policy to all our stakeholders including future generations. Generations to come, will surely be indebted to the RINL Policy of CSR "Giving back more to the society than what it draws".

The scope of RINL-VSP CSR Policy includes socio-economic, environmental and cultural upliftment activities other than those statutory in nature and also welfare activities meant for employees. The focus will be on Community. The areas are Environmental Care, Education, Health care, People Care, Peripheral Development, Cultural Efflorescence, Activities as a Responsible Corporate Citizen and to extend help during natural calamities like Floods, Fire, epidemics etc.

....2.

RINL - Where innovation never ends

Every year up to 2% of Net Profit of the previous year is being allocated as CSR Budget. In RINL-VSP, CSR Budget is non-lapsable Budget. The following table shows the allocation of funds, commitment and expenditure for the last 3 years.

(Rs. In Crores)

Year	Allocation	Commitment	Actual expenditure	Remarks
2006-07	6.92	6.16	1.16	Works are going on for the balance committed amount.
2007-08	27.27	27.27	13.71	-do-
2008-09	38.85	38.83	22.83	-do-

The list of CSR activities taken up, its impact on the Society are placed in the Annexure-I.

We reaffirm our commitment to UNGC Principles and good Corporate Citizenship. In this report it may be seen the concrete examples and continued internal emphasis on main focused areas, i.e. Environmental Care, Education, Health care, People Care, Peripheral Development, Cultural Efflorescence, Activities as a Responsible Corporate Citizen and to extend help during natural calamities like Floods, Fire, epidemic etc.

I hope that it is interesting to read this report as much as our team enjoyed their hard work throughout the past three years to produce the results that we share in the following pages.

Yours sincerely,

(P.K. Bishnoi)

Chairman-cum-Managing Director
Rashtriya Ispat Nigam Limited
Visakhapatnam Steel Plant
Visakhapatnam

Visakhapatnam ,
May 27, 2010.

STATUS ON
UN GLOBAL PRINCIPLES

Global Compact Principle	Commitment/Policies, Action Taken& Impact Achieved and/or Plans for the upcoming year
1. Businesses should support and respect the protection of internationally proclaimed human rights	<p><u>Commitment/Policies</u> <u>Action Taken</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <ul style="list-style-type: none"> RINL VSP CSR Policy committed to respect the protection of internationally proclaimed human rights like – Education, Housing, Drinking Water and Good Health. On Education, RINL-VSP spent Rs.855 Lakhs for – providing training equipment to Arunodaya Special School , Competitions in Drawing, Quiz in 10 Schools of Ukkunagaram, Teaching Excellence programmes for Teachers, 1600 Nos. Desk-cum-Benches to different Schools, Adult Literacy Programme, construction of 30 School Buildings, construction of Dormitory for Mandala Vikalangula Sankshema Sangham at Atchutapuram, Library Building, construction of 11 Nos. Toilet Blocks, Compound Walls to School Buildings, Construction of 21st Century Gurukulam at Andhra University, Play equipment to Schools, construction of Hostel Buildings for SC/ST Students and construction of School Building for Physically Challenged Children. No. of beneficiaries are 40,769 in number. On Housing, RINL-VSP constructed a Model Steel Village with 9 Dwelling Units, 1 Panchayat hall, 1 School Building, 2 Toilet Blocks and 1 Open Stage, at a cost of Rs.43.0 Lakhs and handed over to the District Administration for allotment to the needy people. No. of beneficiaries are 5,000 in number. Drinking Water – “Jala Dhara” – a Gravity Water Scheme was launched at Araku Agency Area to provide drinking water to the Tribal Villages through HD Pipe Lines, at a cost of Rs.9.90 Lakhs. No. of beneficiaries are 1300 in number. In addition to this, it is planned to supply Drinking Water through Water Tankers in 4 major Rehabilitation Colonies (Pedagantyada, Vadlapudi, Aganampudi and Gangavaram) at a cost of Rs.15.00. Health Care at a cost of Rs.415 Lakhs- organised 4 Cataract Eye Surgery Camps through Sankar Foundation, HIV/AIDS awareness programmes through Key-Chains, Literature, 5 General Medical Camps, 1 Mega Medical Camp, Children Immunisation Programme, Disability Rehabilitation Camp, De-addiction Programmes through Street Plays, counselling and film-shows, 1 Mobile Cancer detection unit called ‘Sajeevan Mobile Clinic’ being procured for Lions Cancer Research Institute, Vizag. Total No. of beneficiaries are 10,18,078 in number. <p><u>Future Plans :</u></p> <ol style="list-style-type: none"> To continue the above programmes in future also To explore the possibility of starting Engg. & Medical College in Ukkunagaram on the Education front To take up with local leaders about another suitable Housing Scheme On the Drinking water front, to extend water supply schemes to more areas. On the health front, a new mobile cancer detection clinic named “Sanjeevan Mobile Clinic” being launched for detecting the cancer in association with Lions Clubs.
2. And make sure that they are not complicit in human rights abuses.	<p><u>Commitment/Policies</u> <u>Action Taken</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>The programmes were well appreciated and all the programmes are in line with protecting human rights.</p> <p>Plans for the upcoming year</p> <p>To arrange for a Social Audit in the areas where CSR Activities are taking place to have the first-hand information about the willingness of the people and also to find out whether these activities are in anyway complicit in human rights abuses.</p>
3. Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining	<p><u>Commitment/Policies</u> <u>Action Taken</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>(Not reporting)</p>

4. The elimination of all forms of forced and compulsory labour	<p><u>Commitment/Policies:</u> <u>Action Taken</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>RINL/VSP , a Central Govt. Public Sector Undertaking has a “ Recruitment policy” in respect of labour engaged through contractors. The provisions laid down in Contract Labour (Regulation and Abolition) Act, 1970 as well as other relevant labour statutes are followed.</p> <p>No form of forced and/ or compulsory labour exists in the Company. There are 29,790 Contract Labour working in the Plant including expansion area. There are Company’s appointed Labour Welfare Inspectors who will constantly monitor the contract labour services and their welfare. Company is ensuring implementation of statutory norms with regard to the minimum wages, provident fund, ESI, Bonus etc. While awarding the works to the Contractors, all these points are incorporated in their work orders. Non-compliance will be dealt with as per the Provisions of Law.</p> <p>RINL/VSP as a model employer constantly strives to ensure that all the relevant statutes pertaining to labour are implemented religiously viz. Minimum wage , PF, ESI, Bonus etc.</p>
5. The effective abolition of child labour	<p><u>Commitment/Policies:</u> <u>Action Taken :</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>In RINL-VSP, minimum age limit for recruitment is 18 years. All Advertisements and Employment Notifications indicate the minimum age limit as 18 years. Circulars are being issued from time to time intimating all the concerned not to employ child labour. Surprise checks are conducted periodically. RINL/VSP as a model employer does not allow / permit the engagement of child labour.</p> <p>In future also RINL-VSP will ensure the same.</p>
6. And the elimination of discrimination in respect of employment and occupation	<p><u>Commitment/Policies:</u> <u>Action Taken :</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>RINL-VSP is committed for equal pay for equal work irrespective of grades, caste, religion, age etc.</p> <p>All the employees during the service are extended equal pay for equal work</p> <p>RINL/VSP does not discriminate any gender in matters of employment and occupation except that women are not employed after 7.00 PM and before 6.00 AM in terms of the Factories Act. Statutory Minimum and allowances are paid equally depending upon the category of the skill without any discrimination . Payments are based on the skill and not on the basis of gender. Scope for discrimination is eliminated. In future also the existing policy will continue.</p> <p>Plans for the upcoming year: To continue the existing policy</p>

Global Compact Principle	Commitment/Policies, Action Taken& Impact Achieved and/or Plans for the upcoming year
7.Businesses should support a precautionary approach to environmental challenges:	<p><u>Commitment/Policies:</u> <u>Action Taken :</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>Commitment/Policies VSP' commitment : It is reflected towards precautionary approach to environmental challenges in Company's Vision Statement as given below:</p> <p>Vision</p> <p>To be a continuously growing world-class company</p> <p>We shall</p> <ul style="list-style-type: none"> • Harness our growth potential and sustain profitable growth. • Deliver high quality and cost competitive products and be the first choice of customers • Create an inspiring work environment to unleash the creative energy of people. • Achieve excellence in enterprise management. • Be a respected corporate citizen, ensure clean and green environment and develop vibrant communities around us. <p>In order to translate its vision into practical application, it has formulated its policy, which provides the broad framework for implementation of policies that support a precautionary approach to environmental challenges:</p> <p>RASHTRIYA ISPAT NIGAM LIMITED VISAKHAPATNAM STEEL PLANT VISAKHAPATNAM – 530031 QUALITY, ENVIRONMENT AND OCCUPATIONAL HEALTH & SAFETY POLICY</p> <p>We, at Visakhapatnam Steel Plant, are committed –</p> <ul style="list-style-type: none"> - to meet the needs and expectations of customers and other interested parties, - to prevent injury and ill health of all persons working under our control, and - to prevent pollution. <p>To accomplish this, we will</p> <ul style="list-style-type: none"> • Supply quality goods and services to customers' delight. • Document, implement, maintain & periodically review the management systems including the policy, objectives and targets. • Use natural resources and energy efficiently with concern for environment. • Comply with all relevant legal, regulatory and other requirements applicable to products, activities and processes in respect of Quality, Environment, Occupational health & safety and also ensure the same by contractors. • Continually improve Quality, Environment, Occupational health and safety performance. • Encourage development and involvement of employees. • Maintain high-level of Quality, Environment, Occupational health and safety consciousness amongst employees and contract workers by imparting education and training. <p>This policy is communicated to all the persons working under our control and is made available to interested parties on request.</p> <p>Action Taken:</p> <p>The following precautionary approach is adopted at VSP:</p> <ol style="list-style-type: none"> a. An investment of about Rs.4,680 millions was made to provide pollution control equipment while setting up the 3 Mtpa Plant. Further investment of Rs.280 millions was made during the last 5 years and projects of another Rs.5,660 millions are under various stages of implementation. An expansion project for enhancement of capacity to 6.3 Mtpa is under progress. A massive investment of Rs.12,830 millions is envisaged to provide a wide array of pollution control equipment to contain dust emissions and for treatment of effluents in this 6.3 Mtpa expansion. Thus, the total capital investment is Rs.23,450 millions. <p>Over and above this, an annual expenditure of Rs.1,080 millions/year is being incurred on the</p>

operation and maintenance of the pollution control equipment.

- b.** Large-scale afforestation has been done and as on date over 38.19 lakh trees including 80,000 pongamia (a bio-diesel plant) have been planted in an area of 3,363 Ha which is 39.8% of VSP's total land area of 8458.3 Ha. This includes 1,971 Ha of Green Belt. As per the national guidelines, minimum 33 % of the total land area needs to be afforested and brought under green cover.
- c.** In order to minimise resource use and reduce pollution loads,VSP is the **first** integrated steel plant in India to have adopted the most modern “**clean technologies**” as follows:
- (i) Coke dry cooling plant for recovery of waste heat from red-hot coke (pushed out from the coke ovens). This is used to generate power (2 x 7.5 MW) in back pressure turbines
 - (ii) Operating blast furnaces at high top pressure (2.1 kg/cm²) and expanding the BF gas in Gas Expansion Turbine Stations to generate power (2 x 12 MW)
 - (iii) Evaporative cooling in the skids of Mills (LMMM & MMSM) to recover the waste heat to generate process steam (13 ata).
 - (iv) Recovery of L.D. gas during “blowing” and using it as a fuel.
- d.** To prevent air,water and land pollution VSP has provided pollution control equipment as detailed below:

Air pollution control : Dust extraction systems

Deptt.	Cyclone (dry)	Scrubber (wet)	ESP (dry)	Bag filter	Total	No. of chimneys and height(mtr)
C&CCD	-	28	-	1	29	3(120m)
RMHP	8	-	-	16+1 *	17	
TPP	-	-	5	3	8	3flues (180.5m)
SMS			2(CVS)	3	5	1 (80m)
BF	-	-	4(BHS) 4(CHES)	4	12	2(80m) 2(100m)
CRMP	-	-	-	13	13	4(52m)
ES&F	-	-	-	4	4	1(22m)
SP	-	34	4(ACP) 4(GCP)	1	43	2(120m)
WRM						1(45m)
LMMM						1(87m), 1(40m)
MMSM						1(80m)
G. Total	8	62	23	46	139	21

Effluent treatment / recycling and waste water treatment plants

About 80% of the clean water is recycled and the remaining 20% is treated before recycling or being discharged. The 20 major systems are given below.

S.No.	System
1.	Mechanical Biological & Chemical Treatment Plant (120m ³ /hr.) in coal chemicals plant
2.	Effluent Treatment Plant (280 cu.m/hr)
3.	Sewage Treatment Plant (Township) (300cu.m/hr)
4.	Waste Water Treatment Plants(CCCD-1, SP-1, BF-2, SMS-2, MILLS-2)
5.	Spillage Recycling Systems (TDP, BDP, BRP, ASP, CPH, NAFC, CPU, TOS)

	<table border="1" data-bbox="459 109 1592 168"> <tr> <td data-bbox="459 109 566 168">6.</td><td data-bbox="566 109 1592 168">Ash-pond</td></tr> </table> <p data-bbox="459 230 1592 291">Valuable fuel-gases(BF gas, LD gas) are obtained in course of iron and steel making. These are cleaned and used in various departments for heating applications eg. kilns, reheating furnaces, TPP (power generation) etc.</p> <table border="1" data-bbox="459 320 1592 560"> <tr> <th data-bbox="459 320 566 376">S.No.</th><th data-bbox="566 320 1592 376">System</th></tr> <tr> <td data-bbox="459 376 566 434">1.</td><td data-bbox="566 376 1592 434">Converter gas cleaning plant & gas holder (80000NM³)</td></tr> <tr> <td data-bbox="459 434 566 495">2.</td><td data-bbox="566 434 1592 495">BF gas (GCP) 364,000NM³/hr</td></tr> <tr> <td data-bbox="459 495 566 560">3.</td><td data-bbox="566 495 1592 560">Coke dry cooling plant (Steam:52T/hr at 40ata)</td></tr> </table> <p data-bbox="459 676 1592 736">e The following waste management systems practices are adopted in VSP to maximise waste utilisation thereby conserve natural resources:</p> <ul style="list-style-type: none"> <li data-bbox="507 766 1592 826">(i) Generation of solid BF slag as a waste has been prevented by design. Cast house granulation of the BF slag is done and the slag is sold to cement plants for substituting lime. <li data-bbox="507 826 1592 931">(ii) L.D. slag is processed by M/s Ferro Scrap Nigam Limited. Magnetic separators remove embedded iron/steel pieces and then the slag is screened. The +30 to -50mm size is recycled in SMS & BF (as a substitute for lime) or it is used as a ballast in railway tracks. The -8mm size is recycled in sinter plant as a substitute for lime. <li data-bbox="507 931 1592 1014">(iii) “Used oils” are reclaimed in the ORU (Oil reclamation unit) and it is then used for lubrication purpose in non-critical areas. The resultant oil sludge and waste oil are sold to parties duly registered with the Ministry of Environment & Forests. <li data-bbox="507 1014 1592 1097">(iv) All hazardous wastes like tar & oil sludge, MBC activated sludge, benzol sludge, tar acids etc. generated in coke chemicals plant are charged into coke oven batteries along with the ‘charge coal’. <li data-bbox="507 1097 1592 1180">(v) All dust removed by DE systems is unloaded from the hoppers of bag-filters / ESPs into open / closed dumpers and is unloaded in the receiving bins of sinter plant for recycling in sinter-making. <li data-bbox="507 1180 1592 1240">(vi) The mills scales collected from water treatment plants in rolling mills are loaded by grab-buckets into wagons and unloaded in the receiving bins of sinter for recycling. <li data-bbox="507 1240 1592 1301">(vii) Wet sludge from other WTPs are first sun-dried and then loaded by pay-loaders into dumpers and sent to receiving bins in sinter plant for recycling. <li data-bbox="507 1301 1592 1361">(viii) Steel scrap (cut ends) are collected from individual shops by dumpers & sent to SMS scrap yard for charging into the LD converters by cranes. <li data-bbox="507 1361 1592 1422">(ix) Lime dust from CRMP is sent by closed dumper to Briquetting Plant for making briquettes which are then sent by belt conveyor to SMS for steel-making. <li data-bbox="507 1422 1592 1482">(x) Some of the lime dust is also sold to external parties. The dry dust is packed in bags and sent out in lorries. <li data-bbox="507 1482 1592 1543">(xi) Coke breeze from batteries is sent through a conveyors to S.P. for recycling. <li data-bbox="507 1543 1592 1603">(xii) Used refractory bricks are used for making ramming mass and for carrying out repairs of LD converter and for relining the emergency containers in SMS <p data-bbox="459 1574 571 1603">Out comes:</p> <ul style="list-style-type: none"> <li data-bbox="507 1630 1592 1753">a. VSP enjoys an excellent ambient air quality because of the massive afforestation and wide array of pollution control equipment (206nos.) provided. All the ambient air quality parameters (RSPM, SPM, SO₂, NO_x) are well below the norms The most perceptible impact is a 3-4 °C drop in ambient temperature in comparison to Visakhapatnam city. 	6.	Ash-pond	S.No.	System	1.	Converter gas cleaning plant & gas holder (80000NM ³)	2.	BF gas (GCP) 364,000NM ³ /hr	3.	Coke dry cooling plant (Steam:52T/hr at 40ata)
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Excellent Ambient Air Quality! 2008-09

Sl. No	Location	RSPM (PM-10)	SPM	SO ₂
		Norm: (100µg/ m ³)	Norm: (200µg/m ³)	Norm: (80µg/m ³)
1	Main Gate	65.42	90.02	4.26
2	BC Gate	73.59	140.09	8.6
3	Coke ovens	92.37	183.28	27.23
4	Ukkunagaram (Township)	47.81	79.39	9.9
5	Pedagantyada	45.29	97.74	13.84
6	Zoo	-	62.55	7.59
7	Kondakarla (Lake)	-	74.76	8.02

b. Waste Management

One of the major areas identified for reducing consumption of raw materials thereby ensuring sustainable development as well as for effecting cost reduction is the utilization of various types of wastes generated inside the steel plant. Hence, a major thrust is given for maximizing the sale/recycling of various types of wastes generated in course of steel production.

	2006 – 07	2007-08	2008-09
Total Generation(MT)	3.929	3.62	3.54
Specific waste generation (T/TLS)	1.089	1.088	1.13
Total utilization (%)	80.76	87.08	86.92

c. Stack Emissions

All the 22 major stacks are monitored as per the statutory frequency. All emissions are within norms.

Continuous on-line stack monitoring system at cost of Rs 4.5 crore commissioned

Unit: mg/NM³

Sno.	STACK	PARAMETER	NORM	Avg. (08-09)
1	BATTERY-1	SPM	50	46.1
		SO ₂	800	105
		NOX	500	64.7
2	BATTERY-2	SPM	50	36.4
		SO ₂	800	91.0
		NOX	500	53.2
3	BATTERY-3	SPM	50	45.6
		SO ₂	800	91.6
		NOX	500	54.5
4	BF : CHES 1	SPM	115	77.4

5	BF : CHES 2	SPM	115	75.4
6	BF : BHS 1	SPM	115	102.0
7	BF :BHS 2	SPM	115	81.7
8	SMS : CVS	SPM	115	42.2
9	LMMM : WBF	SPM	115	40.4
10	LMMM : RHF	SPM	115	39.9
11	WRM	SPM	115	38.8
12	MMSM	SPM	115	47.0
13	CRMP: FK 1&2	SPM	115	87.1
14	CRMP : FK 3&4	SPM	115	81.1
15	CRMP : FK 5	SPM	50	47.2
16	SP-ACP	SPM	115	99.4
17	SP-GCP	SPM	115	87.5
18	TPP BLR 1&2	SPM	115	97.9
19	TPP BLR 3&4	SPM	115	96.8
20	TPP BLR5	SPM	115	104.7

d. Effluent Quality

All effluent parameters are within norms except ammonical nitrogen whose value at ETP is around 78.7 mg/ltr. Order placed for implementation of the nitrification - denitrification process at MBC plant for reduction of ammonical nitrogen at an estimated cost of Rs 46 crore on M/s TPE, Russia. The Plant was started on 31.12.2009 with the commissioning of the Flash Mixture Unit. The plant is under stabilization and will be fully stabilized by Dec'2010. After implementation, ammoniac nitrogen is expected to be contained well below 50 mg/ltr.

EFFLUENTS FROM EFFLUENT TREATMENT PLANT (2008-09)

Unit: mg/l

PARAMETER	Norm	2008-09
pH	6.0-9.0	7.49
TSS	100	78.25
OIL & GREASE	10	7.07
PHENOL	1	0.86
COD	250	225
BOD	30	28.36
Cyanide	0.2	BDL
AMMONICAL N2	50	76.21
Amm. N2 (Boundary)	50	31.28

TRADE EFFLUENTS FROM TPP

Unit: mg/l

PARAMETER	Norm	Avg.
pH	6.0-9.0	8.08
TSS	100	14.34
OIL & GREASE	10	6.17
IRON	1	0.36

	COPPER	1	0.14
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e. Battery Emissions

Fugitive emissions in coke oven batteries-1,2,3 are monitored for PLD (percent leaking doors), PLL(percent leaking lids) and PLO (percent leaking off takes). All emissions are well below the norms:

S.No	Location	PLD	PLL	PLO
	Norm	10%	1%	4%
1.	Battery - 1	1.18	0.22	0.91
2.	Battery - 2	0.82	0.24	0.64
3.	Battery - 3	1.23	0.42	0.91

Plans for the upcoming year:

a. Networking of Continous Ambient Air Monitoring Stations and Continous Stack Emission Monitoring Systems for central data acquisition

b. Total phase out of use of CFCs and Halons from VSP

c. Scientific disposal of accumulated miscellaneous hazardous waste such as E-waste, oil soaked cotton, asbestos ropes etc.

8. Undertake initiatives to promote greater environmental responsibility:

Commitment/Policies:

Action Taken :

Out comes

Plans for the upcoming year

Commitment/Policies:

With the intention to promote greater environmental responsibility VSP, has implemented the Environmental Management Standard, ISO 14001. In fact, it is the first and only integrated steel plant in the country to be certified to all the 3 international standards viz. ISO 9001, 14001 and 18001. It was certified to ISO 14001:1996 on 18 May 2001 and recertified on 16 December 2004. However, after the standard was upgraded to ISO 14001:2004. VSP put in rapid efforts to comply with the upgraded standard.

As part of this system, VSP has promoted greater environmental responsibility by :

- i Detailing the scope of its activities in all respects, evaluating the environmental impacts and aspects and providing necessary measures to mitigate the environmental impacts to the minimum.
- ii Incorporating all legal and other requirements applicable to VSP and developing a mechanism to periodically review the compliance status and take necessary corrective action, whenever deviations are observed
- iii Agreeing to communicate its “significant aspects” to external parties thro’ an “Annual Report” each year
- iv Providing training to all its contractors’ workers (before starting any work) and giving them a copy of the “Policy on Safety, Health & Environment” in 3 languages
- v Stipulating the essential environmental requirements in the “General Conditions of Contract” for compliance by all suppliers of equipment / services to VSP

Action Taken :

In order to promulgate the spirit of ‘Continual Improvement’ in environmental performance, a no of Environment Management Programmes(EMPs) are taken up in various areas. The various EMPs taken up at VSP are as given below:

Sl.No	Area of Environmental Improvement	No of EMPs
1	Reduction of Ozone Depleting Substances	5
2	Air Pollution Control	6
3	Water conservation and quality	2
4	Hazardous Waste Management	13
5	Resource Conservation	21
6	Energy Conservation	7
7	Environmental Monitoring	3
8	Waste Management	1
9	Afforestation and garden development	2
10	Training on environment	1

Out comes:

The outcome has been improvement in most of the environmental performance indicators as given below	2006 - 07	2007-08	2008-09
Specific SPM load (Kg/tls)	2.08	2.71	2.58
Specific SO ₂ load (Kg/tls)	2.15	2.69	1.80
Specific NOX load (Kg/tls)	0.84	1.28	1.28
Specific emission of CO ₂ (t/tls)	3.07	3.0	3.0
Hazardous waste (t) recycled	4279	3752	5436
Sp. Effluent generation (m ³ /tls)	0.6291	0.612	0.684

	<p>Plans for the upcoming year:</p> <p>In order to persist with ‘Continual Improvement’ the following EMPs are planned to be taken up in the upcoming year</p> <table><tr><th>Sl.No</th><th>Area of Environmental Improvement</th><th>No of EMPs</th></tr><tr><td>1</td><td>Reduction of Ozone Depleting Substances</td><td>4</td></tr><tr><td>2</td><td>Air Pollution Control</td><td>1</td></tr><tr><td>3</td><td>Water conservation and quality</td><td>1</td></tr><tr><td>4</td><td>Hazardous Waste Management</td><td>10</td></tr><tr><td>5</td><td>Resource Conservation</td><td>18</td></tr><tr><td>6</td><td>Energy Conservation</td><td>9</td></tr><tr><td>7</td><td>Environmental Monitoring</td><td>1</td></tr><tr><td>8</td><td>Waste Management</td><td>1</td></tr><tr><td>9</td><td>Afforestation and garden development</td><td>1</td></tr><tr><td>10</td><td>Training on environment</td><td>1</td></tr></table>	Sl.No	Area of Environmental Improvement	No of EMPs	1	Reduction of Ozone Depleting Substances	4	2	Air Pollution Control	1	3	Water conservation and quality	1	4	Hazardous Waste Management	10	5	Resource Conservation	18	6	Energy Conservation	9	7	Environmental Monitoring	1	8	Waste Management	1	9	Afforestation and garden development	1	10	Training on environment	1
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9. And encourage the development and diffusion of environmentally friendly technologies	<p><u>Commitment/Policies:</u></p> <p><u>Action Taken :</u></p> <p><u>Out comes</u></p> <p><u>Plans for the upcoming year</u></p> <p>Commitment/Policies:</p> <p>VSP right from its inception was committed to a clean environment and hence is the first integrated steel plant in India to have adopted the most modern “clean technologies” as follows:</p> <div><div>(i)</div><div>Coke dry cooling plant for recovery of waste heat from red-hot coke (pushed out from the coke ovens). This is used to generate power (2 x 7.5 MW) in back pressure turbines</div></div> <div><div>(ii)</div><div>Operating blast furnaces at high top pressure (2.1 kg/cm2) and expanding the BF gas in Gas Expansion Turbine Stations to generate power (2 x 12 MW)</div></div> <div><div>(iii)</div><div>Evaporative cooling in the skids of Mills (LMMM & MMSM) to recover the waste heat to generate process steam (13 ata).</div></div> <div><div>(iv)</div><div>Recovery of L.D. gas during “blowing” and using it as a fuel.</div></div> <p>Action Taken:</p> <p>In order to consistently diffuse environmentally friendly technologies and practices a no of environmental projects have been implemented at VSP, as given below:</p> <table><tr><th colspan="4">List of Environment Projects Implemented</th></tr><tr><th></th><th>Sl.No.</th><th>Project</th><th>Cost (Rs. in Millions)</th></tr><tr><td rowspan="3">2004-05</td><td>1</td><td>Recirculation of sewage water by ultra filtration</td><td>47.5</td></tr><tr><td>2</td><td>High temp. membrane bag filters in CRMP : FK - 5</td><td>17.9</td></tr><tr><td></td><td>Sub Total</td><td>65.4</td></tr><tr><td rowspan="2">2005-06</td><td>1</td><td>Dry fog dust suppression in RG Building / RMHP</td><td>3.7</td></tr><tr><td></td><td>Sub Total</td><td>3.7</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	List of Environment Projects Implemented					Sl.No.	Project	Cost (Rs. in Millions)	2004-05	1	Recirculation of sewage water by ultra filtration	47.5	2	High temp. membrane bag filters in CRMP : FK - 5	17.9		Sub Total	65.4	2005-06	1	Dry fog dust suppression in RG Building / RMHP	3.7		Sub Total	3.7								
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08	2006-07	1	3 nos. continuous ambient air monitoring stations in side VSP	10.7
		2	Dry fly ash handling, storage and delivery system	27.6
		3	Developing a new Scrap Yard for miscellaneous wastes : e-wastes	1.78
		4	Electronic controllers in ESPs of TPP boilers no.3&4	7.6
		5	Rapid marine EIA by NIO	2.9
			Sub Total	50.58
	2007-08	1	Continuous on-line stack monitoring systems (Phase-I--10 nos.)	20.5
			Sub Total	20.5
	2008-09	1	Up-gradation of the PC Lab	16.2
		2	1 no. continuous ambient air monitoring station outside VSP	4.3
		3	Continuous on-line stack monitoring systems (Phase-II-- 10 nos.)	24.9
		4	“Dry fog” dust suppression system in BHS/BF	12.0
		5	Replacement of compressors working on ‘ODS’ with non-ODS / CWP – Chillers	65.0
			Sub Total	122.4
<p>Out comes:</p> <p>The outcomes of these efforts has been :</p> <p>i) Drastic reduction in consumption of Ozone Depleting Substances</p> <p>ii) Continous reduction in water consumption over the years</p> <p>iii) Improvement of work zone environment in Raw Material Handling Plant</p> <p>iv) Reduction in emissions and</p> <p>v) Proper management of hazardous wastes</p> <p>vi) Upgradation of facilities for environmental monitoring and analysis</p> <p>Plans for the upcoming year:</p> <p>Environmental projects planned for implementation are :</p>				
	Projects under implementation			Rs. in Millions
	1	High temp. membrane bag filters in CRMP1,2,3,4 (kilns 1,2&3 are completed)		125.6
	2	Electronic controllers in ESPs of TPP boilers no.1,2&5		12.0
	3	Nitrification – de-nitrification of MBC effluents for control of ammoniac nitrogen		460.0
	4	Replacement of compressors working on ‘ODS’ with non-ODS / CWP – Chillers		65.0
SI				
	1	Pulverised coal dust injection in BF – 1, 2		1336.7
	2	Zero water discharge scheme		1150.0
	3	Replacement ‘ODS’ with non-ODS refrigeration units of ASP		59.90
		Sub Total		2546.6
	1	Waste Heat Recovery from Sinter Machines (NEDO project)		2447.0

10. Businesses should work against all forms of corruption ,including extortion and bribery	<p><u>Commitment/Policies:</u> <u>Action Taken :</u> <u>Out comes</u> <u>Plans for the upcoming year</u></p> <p>Commitment/Policies</p> <ol style="list-style-type: none"> 1. RINL has a laid down Vigilance Policy since the year 1997 which has curbing corruption and malpractices. 2. Adoption of Integrity Pact Programme 3. Increasing Awareness among the stakeholders, women and children. <p>Action Taken</p> <ol style="list-style-type: none"> 1. There is a full-fledged Vigilance Department headed by Chief Vigilance Officer to implement the Vigilance Policy of RINL. The Department takes various measures to promote transparency and integrity in the business operations of RINL through preventive and punitive actions. 2. RINL is the 2nd Public Sector Undertaking in the country to enter into MOU with Transparency International India for adoption of Integrity Pact programme. The IP Programme came into effect in RINL on 1st April-2007. Developed by Tranperency International , Integrity Pact (IP) is a tool aimed at preventing corruption in public contracting. It consists of a process that includes an agreement between a Government or a Government Department and all bidders for a public contract. It contains rights and obligations to the effect that neither side will pay , offer demand or accept bribes; collude with competitors to obtain the contract or engage in such abuses while carrying out the contract. The IP also introduces a monitoring system that provides for independent oversight and accountability At present , IP is a an integral part of all tenders of value of Rs 1 Crore and above in RINL and an Independent External Monitor (IEM) is in place to monitor the implementation of the IP Programme. 3. As part of increasing awareness , the following are undertaken: <ol style="list-style-type: none"> i) Observance of Vigilance Awareness Week every year which includes various activities for promoting awareness on corruption and its negative effects etc. ii) Organizing Training Programmes/ Seminars/Public talks iii) Publication of In-house quarterly Vigilance News Letter “Spandana” for promoting awareness on vigilance related topics including corruption. iv) Conducted 2 (two) sessions in schools for teachers and students on “ethics” and “values”. v) Installed 7 (Seven) Complaint boxes at convenient locations. vi) An on-line complaints handling system is in place through which complaints can be made on matters relating to corruption and having vigilance angle. vii) To prevent parties from getting undue favour in receiving payments , a system has been developed wherein all payment details are posted in the website. To minimize the interaction between parties and the bills processing staff, a system of Electronic Fund Transfer has been introduced. viii) RINL has leveraged information technology for bringing about greater transparency and fairness which are essential for reducing corruption through e-initiatives like e-auction , e-reverse acution,e-payments etc. ix) Identification of sensitive posts/ areas and periodical rotation of employees and maintaining a surveillance on such places which is an important mechanism to see that vested interests are not developed. <p>Out comes</p> <p>All the above measures have yielded positive results and customers in different interactive sessions have appreciated the measures adopted to promote transparency, fairness and to eliminate corruption.</p> <p>Plans for the upcoming year</p> <ol style="list-style-type: none"> 1. RINL is planning to implement ERP across the organization which will ensure adequate control, checks and balances in the system which will contribute significantly in curbing corruption 2. Campaign to involve family members of employees and public at large in the campaign against corruption. 				



Rashtriya Ispat Nigam Limited

C. S. R. ACTIVITIES

2008-09



The Scope of CSR envisages activities towards :

- Environmental care
- Community Health care
- People care
- Education
- Culture
- Peripheral Development
- Responsible Corporate Citizen
- Natural calamities

Selection Process of CSR Activity

Identify stakeholders' interests/ requirements:

- Gather information by surveys;
- Consult Unions / Associations
- Relate activities with Local Bodies / Local People's Representatives
- Consider requests of Local Bodies/ District Administration / State Govt
- Obtain support of Institutions like NIRD

Prioritize Requirements:

Conceptualise the requirement by preparing Projects in order of preference of Budget;
Intrinsic / Social Value;

Approved Projects taken up
For implementation

Thru: NGOs

CPWD or Departmentally

Approving Authority

Feedback & Review

- Weekly Review by D(P)
- Monthly Progress Reports
- Performance Review by APEX Committee
- QPRs by Ministry of Steel
- Joint inspections with Local Admin.
- Check by Internal Audit & Govt. Audit

CSR - Budget & Commitment

Year	2008-09
	(in Rs.Lakhs)
Budget	3885
Commitment	3882

CSR ACTIVITIES IN RINL

2008-09

Sl. No.	Area	Amount (Rs. in Lakhs)	Beneficiaries
I	ENVIRONMENTAL CARE	23	500
II	EDUCATION	855	40769
III	HEALTH CARE	415	1018078
IV	PEOPLE CARE	619	187149
V	PERIPHERAL DEVELOPMENT	887	135746
VI	CULTURAL EFFLORESCENCE	84	10052000
VII	RESPONSIBLE CORPORATE CITIZEN	299	175000
VIII	NATURAL CALAMITIES	700	1000000
	TOTAL	3882	12609242

CSR Initiatives

ENVIRONMENTAL CARE: **-Commitment-23lakhs**
 -Beneficiaries-500

“Earth is our only Home. Let us protect it.”

- Conserving environment.
 - Green Belt
 - Afforestation
 - Social Forestry
 - Pollution Control
 - Bio-Diesel by Jatropha and Pongamia trees
- For ecological balance and support of Animals, Sterilisation of street dogs
 - Support for construction of Octagon & Quarantine Homes for Animals at Visakhapatnam

Wealth creation through environmental care



Bio-diesel plantation – 1.00 Lakh saplings

CSR Initiatives

EDUCATION: Commitment - 855 Lakhs

Beneficiaries - 40769

□ Girl Child Education – 153 Scholarships

□ Special attention for Persons with Disability

- Arunodaya School

- Dormitory for Mandala Vikalangula Samkshema Sangham

□ Infrastructure

- 30 School Buildings in Rehabilitation colonies & surrounding villages

- Constructed Toilet Blocks & Boundary walls for 15 Schools

- Provided 1600 Tables and Chairs to Schools

- 30 Personal Computers to Schools.

EDUCATION

... contd.

- Hostels - “Gurukulam” (Hostel for weaker sections) -
at Andhra University , Visakhapatnam
- Skill development programs in Art & Painting, Teacher
Training programs by Andhra University etc.,
- Adult Literacy programs at Rehabilitation Colonies
- Providing Library building for ITI



Furniture to Schools – Rs.45Lakhs



20 School Buildings –Rs.99.44 lakhs.



Dormitory for Differentially able children – Rs.21 lakhs



Teachers Training at Andhra University

E
D
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N

Play equipments to schools



CSR Initiatives

HEALTH CARE – Commitment -415 lakhs

- Beneficiaries -1018078

Camps - General - 13

- Specialist Medical Camp
at Pannar (Gujarat) - 1

HIV/AIDS - Street Plays - 150

Alcohol De-addiction -Camps - 8

-Street Plays - 50

Eye Care - Camps - 37

- Cataract Care by
Sankar Foundation -1000 / year¹³

Health Care (contd..)

Persons with Disability – Support to Pragathi Charities
(Rs.46 lakhs)

- Artificial limbs
- Wheel chairs, etc.
- Disability Rehabilitation Camp at Vizianagaram

Immunisation - 3 Camps for Hepatitis 'B'

Mega Medical Camp - 1 no. at Bobbili

Cancer – “Sanjeevani” -Support to Lions Cancer Hospital for Mobile Clinic

Flood Relief Camp - 21 Camps in Bihar
(Beneficiaries 19320)

Support to 'Sankar Foundation' For EYE Care



Mother Blood Bank Building for Red Cross Society



Distribution of appliances to Differently Able persons



Disability Rehabilitation at Vizianagaram



Instilling a sense of confidence

Cancer Detection Camp At Model Steel villages



Preventive health care



Cancer Detection camp – 1000 beneficiaries



Cataract Screening Camps

Sensitization Programme on AIDS



Street Plays on AIDS

CSR Initiatives

PEOPLE CARE - Commitment-619lakhs, Beneficiaries – 187149

Self Employment-Vocational Trg. Thro' Jan Shikshan Sansthan &
Industrial Training Institute

Sports

- Support to Badminton Academy at Lucknow
- 70th National Table Tennis Championship, Patna
- Participation of Mrs.Vijaya Velinthangal in 'Veteran Athletic Championship' in Bangkok
- District level Bodybuilding Championship
- Senior National Women's Boxing Championship

Infrastructure

- Laying of one Km. Road in Saharbanni district, Bihar
- Printing Press at Central Prison
- SC/ST Girls Hostels and Community Halls

Miscellaneous

- Steel Bullock Carts through District Administration
- Mosquito nets to Tribal Welfare Ashram Schools
- Sewing Machines to unemployed poor women



**Presentation of Cheque
to International Athlete**

**Handing over of 100 Steel Bullock carts
through District Administration –Rs.15 lakhs**



CSR Initiatives

PERIPHERAL DEVELOPMENT : – Commitment-887 lakhs,
- Beneficiaries-135746

- “Jaladhara” – Gravity Water Scheme for Tribal villages of Araku Agency.– 2 Projects
- Blood Bank – 1 Mother & 6 District Blood Banks for Indian Red Cross Society
- RH Colonies – SC/ST Function Halls, Road Work, Schools, Bore wells, etc.



Market yard in RH Colonies



Water is at door step- Thanks to RINL (Jaladhara)



Boundary wall for Schools (RHC)



Bore wells

MODEL STEEL VILLAGE at Maddivanipalem



Value : Rs.37 Lakhs
Amenities : School building -1
Panchayat Hall -1
Rural houses -9
Bus shelters -3
Concrete Roads -300m

CSR Initiatives

CULTURAL EFFLORESCENCE : - Commitment-84 lakhs
- Beneficiaries-10052000

- Support given to Traditional art
 - Music
 - Dance & Drama
 - Painting
- Support to Jatara – Native culture in Tribal village
- National Heritage Conservation
- Support to Nandi Awards of AP State Govt.
- Programs through SPIC MACAY
- Support to organize ‘Sunada Vinodini’ a Singing Talent Show by TTD Samskruti Organization

CSR Initiatives

Responsible Corporate Citizen :

- Commitment-299 lakhs,
- Beneficiaries -1,75,000

- Children Traffic Park
- Steel house at National Institute for Rural Development (NIRD)

Natural calamities : - Commitment – 700 lakhs,
-Beneficiaries – 10,00,000

- Flood Relief measures taken for the devastating Flood in the State of Bihar



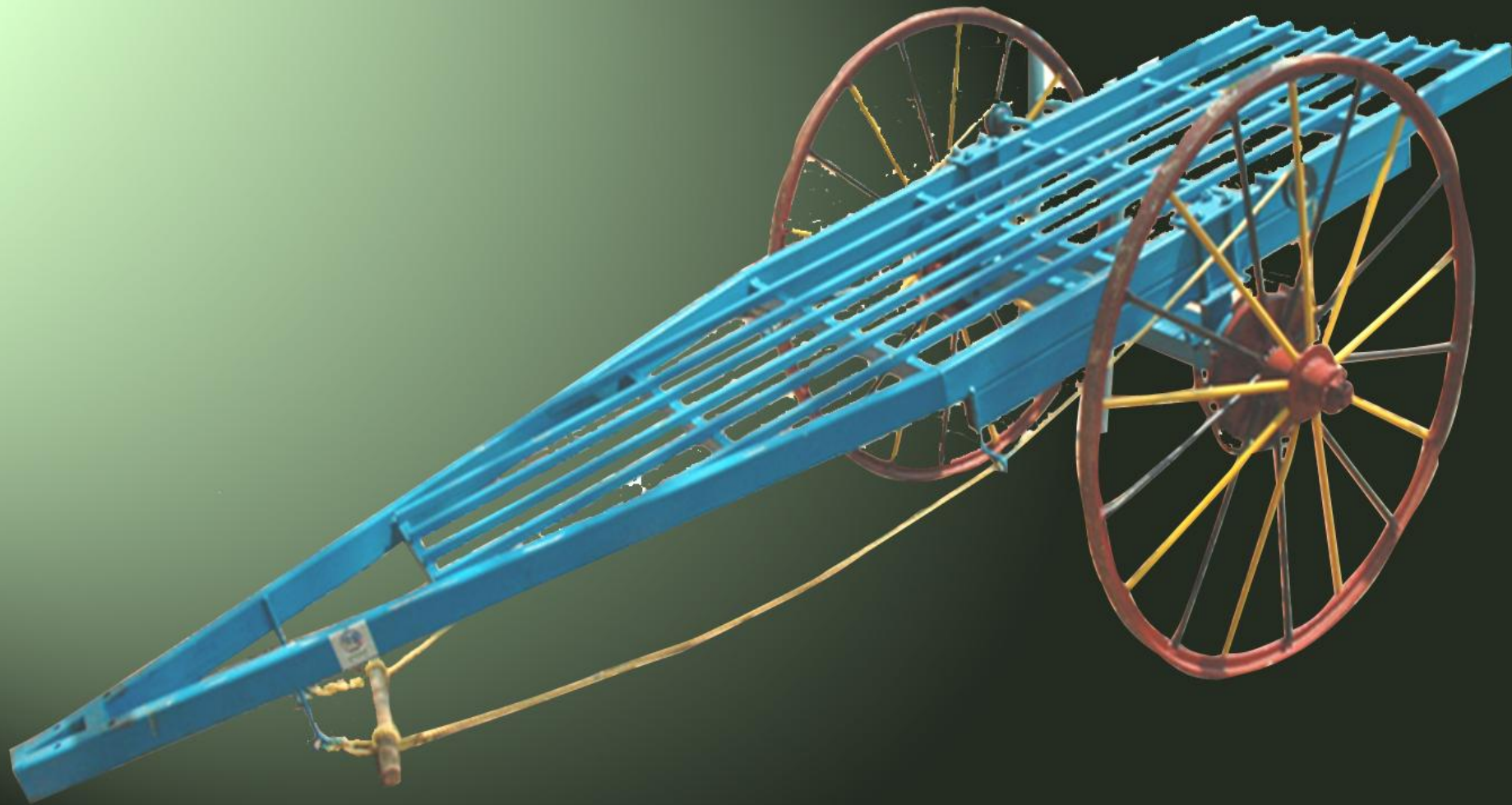
Ambulance Support to Police Department for SOS Road accident cases



**Creating opportunities to Prisoners
– Offset Printing Press at Central Prison, Vizag**



Community development



Promoting use of steel – bullock carts – 100 Nos handed over to District Administration

Comparison of features with traditional Bullock carts

Features	Steel Bullock Cart	Wooden Bullock Cart
Capacity	2000 Kg.	900 Kg.
Weight	280 Kg.	500 - 600 Kg.
Life	20 years	5 years
Cost	Rs. 15000/-	Rs. 10000/-
Income generation	Rs. 35400/-	Rs. 15000/-
Movement of wheels	Taper roller bearings ensures free movement	Movement is not free
Brakes	Better control on speed by mechanical breaks	Animal dependent - by reining the animal
Miscellaneous	Eco friendly & recycliable	Consuming wood

Advancing the dignity of youth



Empowerment & Employability – 401 Beneficiaries³⁴

VOCATIONAL TRAINING PROGRAMMES




Entrepreneurship Awareness Program for Unemployed Youth (450 beneficiaries)




VOCATIONAL TRAINING PROGRAMMES

SUCCESS STORIES

- Name : S.Nooka Raju
- Training programme Undergone : LMV Driving
- Self employment Unit : Van driver in Coramandal cotton Company
- Monthly income: Rs. 3000/-
(salary per month)

 **JAN SHIKSHAN SANSTHAN**
(Formerly Known as SHRAMIK VIDYAPEETH)
Sponsored by Ministry of Human Resource Development,
Department of Elementary Education, Govt. of India.
Door No.9-36-22/3, Pithapuram Colony,
VISAKHAPATNAM - 530 003 A.P.

SUCCESS STORY



1. Name of the Trainees : S. Nooka Raju

2. Age : 20 years

3. Educational Qualification : 10th class

4. Present Postal Address : D. NO. 18-13-18
Nandipuram R.H. Colony
Visakhapatnam-44

5. Trade in which training Undergone : L. M. V. Driving

6. Period of Training :

7. What is He / She Doing before Joining the training at JSS : Un Employed

8. What is He / She doing today : Van Driver (Coramandal Cotton Company)

9. Brief account of Success (If employed, mention the organisation, salary/wage etc. if self-employed, mention the place of work monthly income, financial help received from other sources, if any.) :

S. Nooka Raju
Signature of the Candidate

Let us work together towards this endeavor for which we will be remembered by our future generations - APJ ABDUL KALAM



Thank You