



I C O P 2010 - ' 11



A Navratna Company

1. Businesses should support and respect the protection of internationally proclaimed human rights

During the year 2010-11 :

RINL VSP CSR Policy committed to respect the protection of internationally proclaimed human rights like – Education, Housing, Drinking Water and Good Health. Following are the key areas where RINL-VSP CSR activities have been taken up :

■ Environmental Care

'Mass Plantation' of 10,000 plants, was organized near Vanvihar Marg, Ukkunagaram

■ Education

An amount of ₹ **61.45Millions** has been spent on Education towards the following, benefiting **5200** persons :

- (a) Running 2nos. 'Visakha Vimala Vidyalaya Schools' at Balacheruvu & Ukkunagaram, at a cost of ₹ 28.82 Millions and total beneficiaries are about 2590 students.
- (b) Construction of Arunodaya Special School Building for Differently Abled Children has been taken up and in progress. The cost of project is ₹ 20 Millions.
- (c) Constructed Hostel Block for 21st Century Gurukulam at Andhra University, Visakhapatnam at a cost of ₹ 10 Millions, to serve poor students from 3 districts.
- (d) Support given to Arunodaya School for differently abled children, Ukkunagaram, benefiting about 60 children.
- (e) Library Hall was constructed at a cost of ₹ 0.80 Millions, in Govt. ITI campus, Visakhapatnam.
- (f) Note books & 2 sets of Uniforms were distributed to 80 girl students of Visakha Vimala Vidyalaya School.
- (g) Support given to "The Hindu" for conducting the Young World Quiz Contest.
- (h) Additional class rooms for ZP High School, Konda Koppaka and MPP School at Gangireddy colony were, constructed at a cost of ₹ 0.60 Millions.

■ **Health Care**

An amount of ₹2 **Millions** has been spent on the following health related activities, benefiting a total number of **8,235** persons :

- (a) Medical Camps were continued to be organized as part of CSR initiatives in all RH Colonies and Peripheral Villages. These camps have benefited about 1977 people.
- (b) Pathology equipment in Andhra Medical College and Dermatology equipment in King George Hospital, procured at a cost of ₹ 1.80 Millions.
- (c) Organized Cataract Eye Screening Camps through Sankar Foundation, Visakhapatnam, covering 4258 patients / 890 Cataract Surgeries.
- (d) A one day programme on "Drug Abuse" through Central Board for Workers Education, Visakhapatnam was organized at 4 RH colonies, to bring awareness among people on bad effects of using drugs.
- (e) Organized 20 Nos. Street Plays in RH Colonies and peripheral villages on AIDS Awareness.

■ **People Care**

To mitigate the hardships faced by the people, an amount of ₹ **5.24 Millions** has been spent towards the following welfare measures, benefiting **22,900** persons:

- (a) During the sweltering summer months, drinking water was supplied through Tankers to 4 Rehabilitation Colonies (Aganampudi, Vadlapudi, Pedagantyada and Dibbapalem) for a period of 64 days, with an expenditure of ₹ 1.30 Millions.
- (b) 2970 Mosquito nets worth ₹ 0.44 Millions have been distributed to Tribal welfare Ashram schools in 17 villages of Paderu and Araku Agency areas. A total of 5940 students are benefitted.
- (c) Items worth ₹ 0.15 Millions, like Computers, printer, Computer tables & Chairs, Television & DVD player sets were donated to M/s Family Services, who are doing yeomen service to the deaf & dumb children, conducting classes & seminars including English sign language.
- (d) Skill development courses like Dress making, Embroidery, Fabric painting started at Madaram & Jaggayyapet Mines areas.
- (e) Empowerment programs to women & un-employed youth through JSS were organized in RH colonies and Paderu (Tribal area). Training was given to 240 people in courses like LMV Driving, Automobile mechanism, Ariya work and Pickle & papad making.

- (f) Financial support of ₹ 0.87 Millions was extended to organize 10th National Junior Federation Cup Athletics Championship-2010, 'Special Olympics-2010' for Physically, mentally & visually speech impaired children, at Visakhapatnam and other sports activities.
- (g) A two day program on "Labour Welfare and Development" through Central Board for Workers Education, Visakhapatnam, was held at CWC, PedaGantyada RH colony.
- (h) Support given to Chess Player Miss B.Pratyusha & Ch. Srinivas, for participating in XIII World Aquatic Swimming Championship-2010 held in Sweden.

■ **Peripheral Development**

An amount of ₹**13.30 Million** has been spent towards peripheral development, benefiting **7,000** persons.

Peripheral development being one of the objectives of CSR, a number of projects like Community Welfare Centres in RH Colonies and peripheral villages, Hostels for SC/ST students, Mother Blood Bank for Indian Red Cross Society were taken up and are continuing.

- (a) A Welfare Centre at Durgavanipalem, in Peda Gantyada RH Colony, constructed at a cost of ₹ 5 Millions was inaugurated.
- (b) The following Works in Madaram Dolomite Mines & Garbham Mines area were inaugurated:
 - Bus Shelter at Mangal Thanda
 - Concrete roads at Mangal Thanda & Kotha Thanda
 - Additional class rooms at School
 - Approach Road to School
 - Cycle shed in school
 - Retaining wall beside School
 - Renovation works at School

■ **As a Responsible Corporate Citizen**

An amount of ₹ **5.11Millions** has been spent “As a Responsible Corporate Citizen”, benefitting **2,55,500** persons.

- (a) Support of ₹ 1 Million was given to Transport Department, Government of Andhra Pradesh, for laying the LMV Driving Test Track at Gambhiram, Visakhapatnam. This provides better testing facility during issue of Driving licenses to people of Visakhapatnam.
- (b) 14 nos. Wheel chairs were distributed to needy persons and to Railway Stations at Visakhapatnam & Duvvada for better utilization by public.
- (c) Automatic LED Traffic Signal System at Kurmannapalem junction, Visakhapatnam, with a support of ₹ 0.45 Millions, was put to use.

Future Plans :

1. To continue the above programs in future also
2. Construction of Multipurpose Halls in 4 Rehabilitation Colonies
3. Infrastructural facilities at St. Joseph Hospital for HIV/AIDs affected children at Prathipadu, AP
4. On the Drinking water front, to extend water supply schemes to more tribal areas.
5. On the health front, a new mobile cancer detection clinic named “Sanjeevan Mobile Clinic” being launched for detecting the cancer.

2. And make sure that they are not complicit in human rights abuses

The programs were well appreciated and all the programs are in line with protecting human rights.

Plans for the upcoming year

Social Audit is being arranged in the areas where CSR Activities are taking place to have the first-hand information about the willingness of the people.

3. Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining

The concept of Collective Bargaining is to go in for a win-win situation for both the employer and the employees in the Industry and to bring in Production and Productivity related progress of the Industry. In RINL VSP there are 21 Registered Trade Unions to take up the cause of the workers. To determine the majority union for a period of two years, the method of secret ballot is adopted. The union which secured highest number of votes would be declared as the majority union by extending recognition to it. This approach is implemented in VSP for a process of mutual appreciation of business interests and to resolve conflicts by way of consultation and conciliation and through negotiated settlement. This upholds the freedom of association and paves the way for effective recognition of right to collective bargaining.

Further, Workers' participation in Management has been enshrined in the Company by introducing a number of Participative Fora in sharing of information and exchange of views as shown below :

1. Shop floor Cooperation Committees – 33 Nos
2. Shop floor Safety Committees - 30 Nos
3. CWC Committees (including mines) - 9 Nos
4. Other Committees - 14 Nos

50% of the members of the above Committees are nominated by Recognized Union.

Outcome: Mutual appreciation of the employer and employees interests, thereby facilitating establishment of harmonious industrial relation climate. Conflict resolution is done through an approach of consultation and conciliation.

Future Plans: To monitor and sustain the above and take corrective measures whenever required.

4. The elimination of all forms of forced and compulsory labour

No change from last year updation since the matter is related to policy issues which do not change frequently. However, the status is given below:

RINL/VSP, a Central Govt. public sector undertaking, has a "Recruitment policy" which is in alignment with the law of the land. In respect of labour engaged by contractors, the provisions laid down in Contract Labour Regulation and Abolition Act as well as other relevant statutes are followed. No form of forced and/or compulsory labour exists in the Company.

RINL/VSP as a model employer constantly strives to ensure that all the relevant statutes pertaining to labour are implemented viz. minimum wage, PF, ESI, bonus etc.

5. The effective abolition of child labour

No change from last year updation since the matter is related to policy issues which do not change frequently. However, status is given below :

In VSP, minimum age limit for recruitment is 18 years. All Advertisements and Employment Notifications indicate the minimum age limit is 18 years.

Further, circulars are issued from time to time intimating all the contractors concerned not to employ child labour. Surprise checks are also conducted periodically.

No child labour is recruited in VSP.

RINL/VSP as a model employer does not allow/permit the engagement of child labour and it will continue the existing policy.

6. And the elimination of discrimination in respect of employment and occupation

No change from last year updation since the matter is related to policy issues which do not change frequently. However, the status is given below :

Equal pay for equal work irrespective of gender, caste, religion, age etc. All the employees during the service are extended equal pay for equal work.

Scope for discrimination is eliminated.

RINL/VSP does not discriminate on any ground 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 requirement related to employment and occupations are fulfilled. RINL will continue the existing policy.

7. Businesses should support a precautionary approach to environmental challenges

VSP's commitment: It is reflected towards precautionary approach to environmental challenges in Company's Vision Statement as given below:

Vision

To be a continuously growing world-class company

We shall

- ⊕ 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.

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.

Quality, Environment And Occupational Health & Safety Policy :

We, at Visakhapatnam Steel Plant, are committed –

- ▶ 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.

To accomplish this, we will

- 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.

This policy is communicated to all the persons working under our control and is made available to interested parties on request.

Action Taken:

The following precautionary approach is adopted at VSP:

- a. A massive investment of about ₹ 4680 Millions has been made to provide a wide array of pollution control equipment to contain dust emissions and for treatment of effluents. An annual expenditure of ₹ 1080 Millions/yr (approx) is incurred on the operation and maintenance of the pollution control equipment
- b. Large-scale afforestation has been done and as on date over 4.70 Millions trees including 80,000 pongamia (a bio-diesel plant) have been planted in an area of 3,431 Ha which is 38.87% of VSP's total land area of 8827 Ha. This includes 1,970 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 minimize 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 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:

Department	Cyclone (dry)	Scrubber (wet)	ESP (dry)	Bag filter	Total	No. of Chimneys & Height (mtr)
C&CCD	-	28	-	1	29	3(120m)
RMHP	8	-	-	16+1*	25	
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	
SP	-	34	4(ACP) 4(GCP)	1	43	2(120m)
WRM						1(45m)
LMMM						1(87m),1(40m)
MMSM						1(80m)
Grand Total	8	62	23	46	139	20

*** DRY-FOG SYSTEM.**

Effluent treatment / recycling and waste water treatment plants

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

S.No.	System	No.
1.	Mechanical Biological & Chemical Treatment Plant (120m ³ /hr.) in coal chemicals plant	1
2.	Effluent Treatment Plant (280 cu.m/hr)	1
3.	Sewage Treatment Plant (Township) (300cu.m/hr)	1
4.	Waste Water Treatment Plants(CCCD-1, SP-1, BF-2, SMS-2, MILLS-2)	8
5.	Spillage Recycling Systems (TDP, BDP, BRP, ASP, CPH, NAFC, CPU, TOS)	8
6.	Ash-pond	1

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.

S.No.	System	No.
1.	Converter gas cleaning plant & gas holder (80000NM ³)	1
2.	BF gas (GCP) 364,000NM ³ /hr	2
3.	Coke dry cooling plant (Steam:52T/hr at 40ata)	4

e. The following waste management systems/practices are adopted in VSP to maximize waste utilization and thereby conserve natural resources:

- (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.
- (ii) L.D. slag is processed. 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.
- (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.
- (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'.

Global Compact principle – Commitment/Policies, Action taken & Impact achieved and/ or Plans for the upcoming year

- (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.
- (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.
- (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.
- (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.
- (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.
- (x) Some of the lime dust is also sold to external parties. The dry dust is packed in bags and sent out in Lorries.
- (xi) Coke breeze from batteries is sent through conveyors to S.P. for recycling.
- (xii) Used refractory bricks are utilized for making ramming mass and for carrying out repairs of LD converter and for relining the emergency containers in SMS.

Out comes:

- a. VSP enjoys an excellent ambient air quality** because of the massive afforestation and wide array of pollution control equipment (139nos.) 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.

Excellent Ambient Air Quality! 2010-11

(Unit : Microgram/Ncum)

Location	Parameter	APPCB Norm	2008-09	2009-10	2010-11	Remarks
Main Gate	RSPM (PM-10)	100	65.40	66.40	49.60	ALL PARAMETERS ARE BETTER THAN THE NORMS
	SO ₂	80	4.30	6.70	6.40	
	NOX	80	7.90	5.20	10.80	
RSPM : Respirable Suspended Particulate Matter						
SO ₂ : Sulphur dioxide		NOX : Oxides of Notrogen				

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.

	2008-09	2009-10	2010-11
Total Solid Waste Generation(MT)	2.04	2.15	2.27
Specific Solid waste generation (t/tcs)	0.69	0.67	0.70
Total solid waste utilization (%)	94.20	92.86	96.03

c. Stack Emissions

All major stacks are monitored as per the statutory frequency. All emissions are within norms. Continuous on-line stack monitoring system at cost of ₹ 45 Millions commissioned

Unit: milligram/Ncum

Location	Parameter	Norm	2008-09	2009-10	2010-11	Remarks
Coke oven Battery	SPM	50	42.70	39.10	43.50	ALL PARAMETERS ARE BETTER THAN THE NORMS
Blast furnace	SPM	115	84.10	86.50	79.30	
Steel Melt Shop	SPM	115	42.20	49.40	48.40	
LMMM	SPM	115	40.20	39.80	39.40	
Wire Rod Mill	SPM	115	38.80	45.90	53.80	
MMSM	SPM	115	47.00	41.60	42.70	
Sinter Plant	SPM	115	93.50	82.00	79.20	
Thermal Power Plant-Boiler	SPM	115	99.80	89.20	94.80	

d. Effluent Quality

All effluent parameters are within norms.

Outfall – I (APPIKONDA) – 2010-'11

Unit : mg/L

PARAMETER	NORM	Average
pH	6.0 – 9.0	7.82
TSS	100	12.68
OIL & GREASE	10	5.03
IRON	1.00	0.20
COPPER	1.00	0.03

Outfall – II (GANGAVARAM) – 2010-'11

Unit : mg/L

PARAMETER	NORM	2010-'11
pH	6.0 – 9.0	7.53
TSS	100	76.40
OIL & GREASE	10	7.20
PHENOL	1.00	0.74
AMMONICAL N2	50.00	43.00

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	1.86	0.62	1.36
2.	Battery - 2	0.87	0.97	0.66
3.	Battery - 3	2.45	0.71	1.05

Plans for the upcoming year:

- a. Networking of Continuous Ambient Air Monitoring Stations and Continuous 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:

With the intention to promote greater environmental responsibility VSP, has implemented the Environmental Management Standard, ISO 14001. In fact, it is the first 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 Programs (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	6
2	Air Pollution Control	10
3	Water conservation and quality	4
4	Hazardous Waste Management	15
5	Resource Conservation	14
6	Energy Conservation	9
7	Environmental Monitoring	4
8	Waste Management	4
9	Afforestation and garden development	7
10	Training on environment	2

Out comes:

The outcome has been improvement in most of the environmental performance indicators as given below	2009-10	2010-11
Specific SPM load (kg/tcs)	0.71	0.61
Specific SO ₂ load (kg/tcs)	0.75	0.68
Specific NO _x load (kg/tcs)	0.64	0.52
Specific emission of CO ₂ (t/tcs)	2.548	2.539
Hazardous waste recycled (%)	100	100

Plans for the upcoming year:

In order to persist with 'Continual Improvement' the following EMPs are planned to be taken up in the upcoming year.

Sl.No	Area of Environmental Improvement	No of EMPs
1	Reduction of Ozone Depleting Substances	4
2	Air Pollution Control	7
3	Water conservation and quality	3
4	Hazardous Waste Management	8
5	Resource Conservation	17
6	Energy Conservation	4
7	Environmental Monitoring	2
8	Waste Management	19
9	Afforestation and garden development	1
10	Training on environment	6
11	Noise reduction	3
12	Environment management	3

9.And encourage the development and diffusion of environmentally friendly technologies

Commitment/Policies:

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:

- 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
- 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)
- Evaporative cooling in the skids of Mills (LMMM & MMSM) to recover the waste heat to generate process steam (13 ata).
- Recovery of L.D. gas during "blowing" and using it as a fuel.

Action Taken:

In order to consistently diffuse environmentally friendly technologies and practices a no of environmental projects have been implemented at VSP, as given below:

List of Environment Projects Implemented			
Year	Sl.No.	Project	Cost (₹ in Millions)
2004-05	1	Recirculation of sewage water by ultra filtration	47.50
	2	High temp. membrane bag filters in CRMP : FK - 5	17.90
		SubTotal	65.40
2005-06	1	Dry fog dust suppression in RG Building / RMHP	3.70
		Sub Total	3.70
2006-07	1	3 nos. continuous ambient air monitoring stations in side VSP	10.70
	2	Dry fly ash handling, storage and delivery system	27.60
	3	Developing a new Scrap Yard for miscellaneous wastes : e-wastes	1.78
	4	Electronic controllers in ESPs of TPP boilers no.3&4	7.60
	5	Rapid marine EIA by NIO	2.90
		Sub Total	50.58
2007-08	1	Continuous on-line stack monitoring systems (Phase-I--10 nos.)	20.50
		Sub Total	20.50
2008-09	1	Up-gradation of the PC Lab	16.20
	2	1 no. continuous ambient air monitoring station outside VSP	4.30
	3	Continuous on-line stack monitoring systems (Phase-II-- 10 nos.)	24.90
	4	"Dry fog" dust suppression system in BHS/BF	12.00
	5	Replacement of compressors working on 'ODS' with non-ODS / CWP – Chillers	65.00
		Sub Total	122.40

Global Compact principle – Commitment/Policies, Action taken & Impact achieved and/ or Plans for the upcoming year

2009-10	1	High temp. membrane bag filters in CRMP1,2,3,4(kilns 1,2&3 are completed)	125.60
	2	Electronic controllers in ESPs of TPP boilers no.1,2&5	12.00
	3	Replacement of compressors working on 'ODS' with non-ODS / CWP – Chillers	65.00
		Sub Total	202.60
2010-11	1	Replacement 'ODS' with non-ODS refrigeration units of ASP	59.90
		Sub Total	59.90

Out comes:

The outcomes of these efforts have been :

- i) Drastic reduction in consumption of Ozone Depleting Substances
- ii) Continuous reduction in water consumption over the years
- iii) Improvement of work zone environment in Raw Material Handling Plant
- iv) Reduction in emissions
- v) Proper management of hazardous wastes
- vi) Up gradation of facilities for environmental monitoring and analysis

On-going Projects :

Sl	Project	Cost (₹ in Millions)
1	Pulverised coal dust injection in BF – 1, 2	1336.70
2	Zero water discharge scheme	1150.00
3	Nitrification – de-nitrification of MBC effluents for control of ammonical nitrogen	460.00
4	Waste Heat Recovery from Sinter Machines (NEDO project)for 20.6 MW Power generation	2447.00
	Sub Total	5393.70

GRAND TOTAL 5918.78

In addition, one more Back Pressure Turbine Station for 14 MW from Waste heat of Coke & Gas Expansion Turbine Station for 11 MW from top pressure of BF are coming up.

10. Businesses should work against all forms of corruption , including extortion and bribery

Commitment/Policies

1. RINL has a laid down Vigilance Policy since the year 1997 which has curbing corruption and malpractices as one of its jobs.
2. Adoption of Integrity Pact Programme
3. Increasing Awareness among the stakeholders, women and children.

Action Taken :

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 a Memorandum of Understanding (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 Transparency 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 an integral part of all tenders of value of ₹ 10 Millions and above in RINL and two Independent External Monitors (IEMs) are in place to monitor the implementation of the IP Programme.

3. As part of increasing awareness , the following are undertaken:
 - 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

Global Compact principle – Commitment/Policies, Action taken & Impact achieved and/ or Plans for the upcoming year

- iii) Publication of In-house quarterly Vigilance News Letter "Spandana" for promoting awareness on vigilance related topics including corruption.
- iv) Conducting sessions in schools for teachers and students on "ethics" and "values".

4. In order to curb corruption and malpractices, the following actions have been taken :

- i) Installation of Complaint boxes at convenient locations in RINL/VSP.
- ii) Installation of toll free phone to receive complaints against corruption in RINL/VSP.
- iii) An on-line complaints handling system is in place in vizagsteel.com web site through which complaints can be made on matters relating to corruption and which have vigilance angle.
- iv) Installation of a dedicated Kiosk for lodging online complaints by employees and public on matters relating to corruption and having Vigilance angle.
- v) To prevent parties from getting undue favor 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.
- vi) 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 auction, e-payments etc.
- vii) An exclusive web page is made available in the vizagsteel.com web site on vigilance matters of RINL/VSP.
- viii) 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.

Out come

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.

Plans for the upcoming year

- 1. ERP implementation across the Organization is at verge implementation 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.