Successful Rehabilitation of 1st Russian ESH 15/90 Dragline (Uralmash) after 35 years of operation

Upcoming workshop in Singrauli, M.P.
As a patron of SRB Group, on the occasion of first publication of SRB Group Bulletin, I want to give my sincere thanks and congratulations to the management, executive staff & the associates of the group, who give their invaluable support and commitment to our organization.

SRB Group bulletin is a medium to communicate its exponential growth & achievements in the recent years. It has also express the spirits of excellence & stupendous service amongst its staff and nurturing them with total synergy among the management.

I convey my heart full felicitations to each & every member of SRB group & confident that the work & dedication will bring many more laurel & glory to the group in times to come.

Our main aim is to strengthen the tie between India, Russia and CIS countries especially in the field of Mining, Metallurgy, and Power & in due time Oil & Gas Sector.

We are looking forward to expand our business to Mongolia, Indonesia and Vietnam as we feel these countries have tremendous opportunities for growth and success.

Mr. Kirsan Ilyumzhinov
On the occasion of publication of first bulletin of SRB Group, I have immense pleasure to extend my warm greetings and best wishes to all the members of SRB Group and their families.

I am happy to see the natives of my district Ghazipur attain growth and reach such heights.

I wish Shri Bharat Gandhi, s/o Shri Ranji Keshri of Ghazipur, who is director of SRB International Pvt. Ltd., all the best and pray that he carries the group to greater heights of success and glory.

(Manoj Sinha)
SRB Group is a global engineering and trading group with a strong commitment to enhance its customer’s profitability and productivity in the most sustainable manner. The core values that undermine the conduct of business of the group are integrity, excellence and responsibility.

SRB Group works to grow by introducing and marketing unrivalled products and services for its clients in Russia, CIS and Indian sub continent. The group provides breakthrough solutions because of its experienced and rich manpower base in all its three divisions: Representation, Consultancy and Trading.

SRB Group represents mining, metallurgy, oil & gas, and power companies from Russia and CIS in India and Indian companies abroad through SRB International Pvt. Ltd. The operations of the company are based on the unique amalgamation of its principal companies references and experiences and SRB International’s knowledgeable employees. The company’s operations are based on expertise in material and product technology, extensive knowledge about industrial processes coupled with customer co-operation.

SRB Group provides global consulting and advisory on business strategy. The group provides custom solutions to its customers yielding the greatest competitive advantage and unique position to them in market place. The consultants of the group come from a wide variety of exceptional backgrounds. The group provides consultancy to foreign companies wanting to enter Indian market as well as Indian companies wishing to take up projects abroad. It also has dedicated consultants on IT Services, corporate training and manpower solutions.

SRB Group’s trading division has been working on one of world’s biggest challenges – how to ensure product quality and transaction security by integrating and promoting global trading. The group has been trading in Construction products, FMCG, Medical Devices and Pharmaceuticals for over a decade.
SRB GROUP IS AN INDIAN CONGLOMERATE PROVIDING ENGINEERING SOLUTIONS, SERVICES, SPARES TO THE MINING & METALLURGICAL, OIL & GAS, POWER & RAILWAY SECTOR OF INDIA.

SRB GROUP REPRESENTS COMPANIES FROM RUSSIA & CIS MAJOR BEING URALMASHPLANT, RUSSIA.
Despite been known as a country with one of the largest coal reserves in the world, India is struggling to match the coal demand supply equation, resulting in power crisis in the country. From 100 million tonnes in 2012, India’s coal imports are slated to touch 220 million tonnes by 2016, making it one of the largest coal importing countries in the world. So what exactly is going wrong, given that the country is sitting on reserves of over 100 billion tonnes, adequate to meet the demand for atleast next 70-80 years? The answer is Operational low efficiency in Indian mining operations, which is mainly on account of low level of mechanization in the industry. It is anticipated that India’s improvement in efficiency will come only when the coal sector is opened for commercial mining because that is when Indian mining industry will see its competitors in the mining space and that will force certain amount of market, certain amount of improvements under market pressure. India lags international peers in productivity despite having a high proportion of open-cast mines.

The share of UG mines in India is far below the global average, once the mainstay of coal production in India; the contribution of UG mines in total production has declined to 7% in the past four decades of nationalization. Between 1975 and 2014, CIL’s UG production came down from 70 million tonnes to 36 million tonnes, lower than the spot sales of 54 million tonnes in 2013-14. Although past few decades have seen quantum jump in the level of Mechanization in Opencast Mining in India, not much progress has happened in Mechanized Underground Mining; UG mining continuous to use board and pillar method as against long wall / continuous mining technology.

India seems to be accelerating its effort to transform the ailing coal sector in India. The Government has announced plans to boost Coal India’s annual production to the level of 1 billion tonnes by 2019 and this requires significant investment in mechanization of existing mines and fast tracking mine development activity in newer mines. In order to achieve the government vision, the new chairman of CIL has also clearly indicated that his strategy would be to improve mine productivity through technology upgradation in opencast mines with induction of high capacity equipment. In underground mines, continuous miner technology will be leveraged in large scale, long-wall technology at selected mines, man riding system in major mines and use of tele-monitoring techniques.

As the government successfully auctions captive coal blocks to private & public sector, and CIL goes full throttle in ramping up its production capabilities, demand for coal mining equipment is likely to witness exponential growth.

SRB Group works to grow by introducing and marketing unrivalled Mining Equipment and services for its clients in Indian sub-continent. The group provides breakthrough solutions because of its experienced and rich manpower base in all its Mining divisions.

The operations of the company are based on the unique amalgamation of its principal companies references and experiences and SRB’s knowledgeable employees. The company’s operations are based on expertise in material and product technology, extensive know how about industrial processes coupled with customer cooperation.

SRB’s commitment to efficient service in an organized manner is endorsed by an illustrious list of quality conscious clients both in the government and private sectors. Our prestigious clientele includes NCL, SECL, ECL, WCL, MCL, CCL, SAIL, and NMDC etc.
Key Executive

He is a Mining Engineering Graduate having over 20 years of continued success in equipment sales, and sales management. He is associated with SRB Group from the first day. He is one of the key members of our Mining Division and continues to be involved in all day-to-day activities related to division from the first day. He heads a professional staff responsible for project development, design, construction supervision and technical support for operations. He has been responsible for planning, management, directing, controlling and supervising servicing of mechanical opencast mining equipment and other Heavy Earth Moving Machine. He has been in forefront to execute jobs related with all mining Government department and other responsibility such as refurbishment of equipment like Draglines.He has been designing and implementing policies, guidelines and procedures to establish & maintain high quality standards. He contributes towards formulating and establishing marketing plans & strategies for ensuring of service assignments in the set time frame. He is managing industrial relation and delegating work schedules for team to ensure smooth functioning of operations & leading people working at all level at site.

Mr. Vikas Rai
Director (Mining Division) SRB GROUP

He is a Graduate having vast technical knowledge of mining industry, which has allowed him for assisting our company to achieve rapid growth. He had pursued technical training from EDP, MP Government for project planning and design. He is responsible for the supervision of Service and management of Sales activities in NCL. His technical knowledge has always been appreciated by our principal technical expert about his diversified and in-depth technical knowledge. Currently major part of the revenue generated by SRB in Mining Sector is from NCL through the efforts of Mr. Anup Srivastava. His managerial skill are noteworthy as he is managing both contract and contractor during execution of works, including Time, Cost & Quality monitoring. He is involved in liaise with the concerned Govt. authorities for necessary approvals for operation projects in hand and monitoring timely execution of activities as per the schedules and activate catch-up plan. He is responsible for safety of staffs working at the sites, detailing scope of work, conducting technical studies, evaluating vendors for contracts execution and identifies areas of improvements; suggest modification, to improve existing processes.

Mr. Anup Srivastava
Associates (Mining Division) SRB GROUP
Alexander Yu. Sharapov  
General Director, "Uralmashplant" JSC

Date and place of birth: 1954, Lipetsk.  
1976: He graduated from the Lipetsk State Technical University with honors.  
For 30 years he worked at Izhorskiye Zavody that forms part of OMZ Group. He started as foreman and rose up to the deputy general director, then technical director and executive director.  
Under his direction, high-end steelmaking facilities DSP-120 were built and commissioned at the production site of Izhorskiye Zavody in the shortest time.  
December 2013 - General Director, "Uralmashplant" JSC

Uralmashplant, Russia, aims at promoting trade and commerce between India and Russia and offers various services ranging from mining to metallurgical equipment supplies and services.  
In 1955, Jawaharlal Nehru with his daughter Indira Gandhi visited Uralmash workshops. The first product for India was Rolling Mill Machinery for Bhilai Metallurgical Plant. Since then, we have high-level partnerships in the Indian and Russian markets and shall strive to introduce our products and services to potential business partners in various fields including metallurgy, mining industry, oil and gas industry, construction material industry and power engineering industry. Our goal is to provide innovative solutions of premium quality.  
The company development strategy aims at creation of a world-class machine-building enterprise capable to completely fulfill all equipment requirements a customer may have.  
Today’s specialists of Uralmashplant persistently develop their capabilities in engineering, construction of integral metallurgical complexes and introduction of innovation technologies. “Uralmashplant” JSC was at the outset of the development of mining, metallurgical, oil-and-gas and power engineering industries.  
Uralmashplant already supplied equipment like draglines, mining shovels, and crushers etc. for the Indian mining industry. We plan on participation in various tenders for dragline and electric rope shovels in India. We have successfully completed modernization of ESH 15.90 dragline in Jayant Project, NCL. Machines have been in operation for more than 30 years and now we are in the process of getting two more similar orders for rehabilitation of ESH 20/90 draglines.  
In the metallurgy sector, as Uralmashplant was pioneer in the field of sintering and pelletizing it won two Indian tenders and got orders from Vizag Steel Plant (revamping of Sinter Plant –1, Machine 1 & 2) & Bokaro Steel Plant (New Sinter Plant). In the field of pelletisation, Uralmashplant set up and commissioned the first 0.6 Mtpa induration furnace for the pellet plant of Minera Steel & Power. The plant has also signed contracts for two other pelletisation projects, i.e. 1.2 Mtpa Pellet Plant at Ahluwalia Group and 1.2 Mtpa Pellet Plant at Crest Steel. Uralmash strives to supply its equipment for two large-scale pelletisation and beneficiation projects at Rourkela and Bhilai Steel Plants. Apart from pelletisation and sintering orders, Uralmash also got an order for a new ring-rolling mill at Mishra Dhatu Nigam Limited.
Special Design Features:
- Preliminarily compressed Boom Chord.
- Unique system of drag rope suspension for reduced balance box.
- Smooth Hydraulic walking Mechanisms for high maneuverability.
- Microprocessor based Frequency converter plus induction motor Drive System.

The information system for monitoring following operating parameters:
- Specified speed and torque of motors
- Performance
- Time of effective work
- Power consumption
- Temperature of windings and bearings
- Temperature of hydraulic fluid
- Roll and differential

Automatic protection of the dragline steel structures against incorrect actions of operator:
- Automatic fire fighting system
- Video monitoring System.
- Specially Designed electric machines and control system.
- Customized design for concrete service conditions.
- On time Guaranty and post-guaranty repair service.

For enquiry and further details please contact our associate: SRB Group (info@srbgroup.in)
Platforms, Locking of swing mechanism and Testing Load on the Boom. We have also upgraded entire electrical system including Control Panel of Dragline in Ballarpur Area, Western Coalfields Limited.

Under supervision and guidance of Uralmash Plant, Russia, execution of successful erection & Commissioning of 2 Nos. tertiary cone crusher KMD–2200Gr2D at Donimalai Project, NMDC was done and commissioning of 1 no. Primary Cone Crusher KKD–1500/180 and 1 no. Secondary cone crusher KSD 2200Gr2D at Bailadila Project, NMDC is in process. Also commissioning of 1 no. secondary cone crusher KSD–2200Gr2d at Kumaraswami project, NMDC was executed under supervision of Uralmash Plant, Russia.

SRB International Pvt. Ltd. is in the process of having strategic tie-up with HEMM Manufacturer NKMZ, Ukraine(Former Soviet Union) for management of backup spares(slow moving as well as fast moving) located in a central location (depot) owned and managed by the SRB International and all service related order execution in India.
Mr. Valery Kholkin, Chief Electrical Engineer, Uralmash Plant, Russia is a person of multidisciplinary expertise. He was not only involved in erection and commissioning of ESH 15/90 Dragline in Jayant Project, NCL but also after 35 year of operation, rehabilitation of the same Dragline was executed under his supervision.

Rehabilitation of Dragline involves replacement of new revolving platform and repair of boom, housing, and roof along with overhauling of main and auxiliary hydraulic cylinders. All electric cabinets and control panels were replaced with new state of the art digital Panel system and a new operator’s panel that display all operational parameter of Dragline.

SRB has strategic partnership with SPB Giproshakht, Russia and Trest Shahtspetsstroy, Russia for Development of Underground Mine includes additional exploration; preparation of mining plan, detailed Project Report & EMP and extraction of coal from Underground Mine by mass production technology package on turnkey basis in Indian Coal Sector. SRB is in the process of having dialogue with prominent Indian company for participation in these tenders as a consortium member and also in search of some interested companies in the field of Underground Mining.

SRB has tie-up with LLC KENES for establishment of enrichment and bulk material handling plant with Silo on Turnkey Basis covering feasibility studies, Basic and detailed design supply and commissioning, plant Upgradation and optimisation and project management services. We are in the process of evaluation of prominent Indian Companies as a consortium member for tender participation.

In alliance with CJSC Benefit, Russia, SRB International Pvt. Ltd. has incorporated SRB Benefit India Pvt. Ltd for distribution and promotion of Dump Truck sales and services of Inner Mongolia North Hauler Joint Stock Company Limited in India.

SRB has tie-up with Horsburgh & Scott for Promotion industrial gears and custom gear drives covering new gear components and gearboxes, and providing teardown analyses, engineering upgrades, repairs including Gears - Spur, single & double helical, herringbone, worm, Gear Boxes, Single, double, triple, quadruple reductions, Concentric, speed increasers and reducers, multi-speed parallel shaft, right angle, differential, planetary, or combinations thereof, Replacement and Spare Parts - Gears & pinions, shafts, housings, bearings, seals, sleeves, couplings, etc.

SRB is in the process of having tie-up with MMHC Rudgormash, for technical Upgradation and production of the drilling machine for rotary blast hole drilling machines and sales activity in India. We are in search of prominent Indian research and design institute for technical upgradation of Rudgormash equipment's in India, who are involved in Research and Development of mining equipment in India.
SERVICE CENTRE & WAREHOUSE:
After complete refurbishment ESH 15/90 Dragline in Jayant Northern Coalfields Limited by Uralmash Plant with support of SRB International Pvt. Limited, in order to add value to our services, we are in the process of opening our own service Centre in Singrauli, M. P. with enhance capabilities for the maintenance of equipment of our Principal companies in Indian mining & metallurgy sector. We are also in discussion for providing Technical Services to other OEM’s through this Service Center. We have already have well trained technical team who are available to provide services to our customers 24X7. Our Service Centre is planned to be a state-of-the art service facility of prime area, incorporating the latest equipment and technology. Moreover we have a strategically located and well-stocked warehouse of fast moving spares of our principal’s equipment in Singrauli, MP to ensure minimum downtime of equipment of area.

WORKSHOP:
We are in the process of installing state of art workshop for manufacturing indigenously about 250 tonnes per month of various items at our workshop. We are involved in contract manufacturing of various parts of high quality, reliable, economic our Mining Principal’s machineries pertaining to Crusher, Dragline, Electric Rope Shovel etc. We are manufacturing various spares, components etc. for HEMMs, Plants operating in Mining & Metallurgy sectors and supplying the same also to OEMs as OPM. This also includes manufacturing and procurement of both Mechanical and Electrical items for the HEMM and Metallurgy equipment.

Capabilities at proposed workshop:-
1. Technological Structural Fabrication – 250 Tonnes/month.
2. Flange manufacturing.
3. Fabrication of Tanks & Vessels.
4. Fabrication of pipes.
5. Fabrication of Special Tools & Tackles.
6. Manufacturing of spares as Original part manufacturer for Russian OEM principles.
Event & Exhibition

IME 2012 (28 - 31st January 2012)
SRB participated in the International Mining Exhibition 2012 having participants among machinery / equipment manufacturers, exporters and importers, professionals and trade visitors from India and overseas, foreign missions & industry associations. The event is a unique platform for Entrepreneurs, Decision Makers, Senior Government Officials, Investors, Industry Members, Traders, Equipment Buyers & Suppliers, Academia, Miners, Engineers and Trade Delegation to congregate, brainstorm, showcase and forge meaningful partnership for business.

IME 2014 (13 - 16th February 2014)
SRB participated in IME 2014 which provide an ideal platform to the companies of mining sector to showcase their latest technologies, Machinery & Equipment, R&D, Logistics, Communication, Safety and Health aspect of the Mining, Minerals and Metallurgical Industries and to have meaningful business to business interactions, which is expected to have participation from over 30 countries. The event will be conclave of Policy Makers, CEOs, Industry experts, Scientists and Engineers associated with these sectors. IME 2014 will be a unique platform for technology transfer, innovations, business meets and joint ventures for identifying potential investors to boost industrial production, collaboration and international trade in the Mining, Minerals and Metallurgical sectors.
Coal Summit 2014 (23 - 24th September 2014)

Coal Summit Conference will be held during 23 & 24 September, 2014 along with the Expo, which will be a tremendous value addition for the whole event. The presentation during Coal Summit was delivered by Policy Makers, Stake Holders, Professionals and Industry Experts. Eminent speakers from India and abroad will deliberate and exchange views on the key issues of coal, mining and allied sectors. The Conference will present the pressing issues of the market and its solution. Over 500 delegates are expected to participate from more than 20 countries.
SRB International along with our Associates Uralmash Plant participated in seminar “Dragline Mining: Prospect & Challenges” to provide exchange of views, experiences and methodologies of dragline operation and maintenance in coal mines. The seminar will focus on recent advancements in this field and provide technical inputs for improving the efficiency of Draglines. The seminar was attended by engineers, managers, planners, academicians and researchers working in this field. All the coal producing companies, Mining Institutes, Research Institutes and Leading Manufacturers of Dragline were requested to present papers on concerned topics.
Steel continues to retain its special position in the society. No other material has its unique combination of strength, formability and versatility, along with its low cost of production. Over the last 30 years, the energy required to produce one ton of steel has come down by 50% and continues downwards. Globally, Steel provides direct employment to more than 2 million persons and indirect employment to 2 million contractual persons and another 4 million in supporting services.

In India, in the Metallurgical industry sector, Steel is the most important industry segment. India currently occupies 4th position (after China, Japan and USA) amongst the steel producing countries of the world. In 2014, India produced 83.2 million tons of crude steel (against 81.2 million ton in 2013). The Global steel production in 2014 was 1661 million tons (2013: 1606 million tons), while China alone had produced 823 million tons of steel. This is reflected in the per capita consumption of steel. In 2013, the per capita consumption of steel in India was 57.8 Kg against a global average of 225.2 Kg and Chinese figure was 515 Kg. No doubt, in steel business, India still has a long way to go to compete with China.

It is already acknowledged that the major spurt in steel consumption in future will be in the developing countries where the growth in steel consumption is closely related to the growth of Gross Domestic Product (GDP). Accordingly, several projections of future steel demand in India are available along with assumptions in the rates of growth of GDP. For the terminal years 2021-22 and 2025-26, these demand projections are 135 million tons and 175 million tons; 150 million tons and 201 million tons; 166 million tons and 234 million tons respectively, against the projected average GDP growths of 6%, 7% and 8%.

The National Steel Policy 2005 had projected a demand of 110 million tons by 2019-20. But with the present capacity built up in the steel sector, this figure is likely to be exceeded by domestic production, provided, the present raw material and infrastructure constraints are adequately met by Government policy.

The Indian steel industry, (the major players in particular), have recently (2008-14), undertaken a massive expansion program. The new facilities are already commissioned or about to be commissioned. They have however, further plans of expansion of facilities mostly on the existing sites and there is every reason to believe that these actions will be initiated shortly. This plan includes Expansion in SAIL plants from 21.5 million tons to 33 million tons in the next 5-6 years; RINL from 6.3 million tons to 7 million tons; Tata steel (Jamshedpur) from 7 million tons to 10 million tons; Tata Steel (Kalinga Nagar) from the present installation of 3 million tons to 6 million tons; NMDC(Nagarnar) 3 million tons; JSW (Vijayanagar) from the present 9 million ton to 12 million tons; JSPL (Angul) in phases of 1.4/2.0/4.0; JSPL(Raigarh) from 3 to 4 million tons; JSPL(Patratu) 1.5/3 million tons; Essar(Hazira): gradual replacement of the EAF based steel making with a BF-BOF complex of about 5 million tons capacity; Bhushan(Angul) from 2.3 million ton to 5.2 million tons and Bhushan (Sambalpur) from 1.2 to 2.5 million tons.

No doubt, the actual time frame of the ordering and construction of this planned expansion will be guided by the actual growth in steel demand and availability of capital. But these activities are certain to happen if the Indian economy has to stick to the growth path as desired and projected by the Indian Government. Along with these activities, on the raw material preparation side, actions are ongoing for beneficiation of iron ore with agglomeration, washing of both coking and non coking coals. There are continued steady requirements of equipment/spares/capital consumables in the steel sector for refurbishing/rebuilding and continuation of the ongoing facilities.

SRB International with the strength of its principal international companies and also with its own strength is participating in the above activity. SRB is slated to play a significant role in nation building in the times to come.
Message

I am happy to know that SRB Group is coming out with first Technical Bulletin focusing on their strength and areas partnership with Russian leading organization. On this occasion, I congratulate SRB team and convey my all the best wishes.

Indian Mining & Steel industries have been growing with excellent support of Russia, CIS and Eastern European Countries including several other leading countries. SRB Group has crossed several milestones in the recent past. Effort of SRB Group to provide total Mining and Metallurgy solutions would further help industries in achieving a continuous growth.

SRB’s collaborative approach would be supporting Indian Government’s “MAKE IN INDIA” program - A major new national program designed to transform India into a global manufacturing hub by having Technological Tie-up’s with Principal Technology supplier and manufacturers of imported Equipment & Spare in India.

However, to achieve the endeavor, it would be essential for SRB Group to move in tandem with adoption of new technology which has become most important to be competitive in today’s market.

I wish you all the best.

Mr. A. P. Choudhary
Ex-CMD RINL, VIZAG Steel
Key Executive

He is a Mechanical Engineering Graduate and had done Post Graduate in Management from Russian University having proficiency in Russian and several other languages. He has operated business staying at Russia for over 20 years and has wide experience in several fields especially in Iron & Steel Industry, Mining Industry including minerals. From the very first day, he is associated with SRB Group. SRB is in position to deal with technological solution of industries with his exposure. He strategizes for adoption of newer technologies by industries at lowest possible cost both for brown field and green field project. Apart from that, he is leads business of SRB Group in Russia and CIS.

He is a Metallurgy Engineer (1964) from Bengal Engineering College. He is formerly Executive Director Steel Authority of India Limited (SAIL), has over five decades of experience in the Iron and Steel Industry including raw material. With his vast technical experience he is providing us guidance in various aspects such as selection of Projects, Project Evaluation, Implementation and submission of bids for Steel Plant Projects and their execution which enhances us to be recognized us to be one of the very few companies to provide total metallurgy solution.

He is a Law Graduate who has executed many projects of Fabrication, civil and mechanical erection and commissioning in reputed steel plants of India and with his work experience of more than 12 years has carved a niche for himself as one of the pillars of the company and with his credibility of execution and management of a projects of such kinds he is proved to be an asset to the company. He has vast technical knowledge of Iron & Steel Industry has allowed been assisting our company to achieve rapid growth. He is responsible for the supervision and management of Sales related activities of Metallurgy division of SRB Group.
SRB in a short tenure of one and half year have already taken first step towards success in the field of Metallurgy. To commensurate with the needs of our Principal’s equipment & Technology, We at first targeted Major PSU’s like SAIL, RINL and Consultants such as MECON, CET & MN DASTUR to develop a healthy PR. Our strength have been our Principal’s from Russia & CIS who are capable of providing technology & Manufacturing Equipment. We also have joined Mr. R.B. Majumdar Sr. Vice President (Metallurgy) who was (Ex-Executive Director-SAIL) a year back who has nurtured our team with his technical and intellectual guidance throughout the time he has been with the company.

**Equipment & Technology**

Sintering Equipment, Induration Machines (For Pelletization Plants) with total design & engineering of Pellet & Beneficiation Plant, Forging Presses, Coke oven Machines, Rolling Mills & Rolls, Continuous Casting Machines, Naphthalene Presses, Bailing Press, Exhauster for Coke Oven & Sinter area, Centrifuge for Naphthalene & Ammonia, Drum Crystallizers, with complete Design & Engineering for Coke oven & By Product Plants, Ball Mills, Refractory Presses with Eirica (Irish) Intensive Mixer, Electrostatic Precipitators to name a few.

- We have successfully tied up with several Russian & CIS companies in span of last one year who deals with different equipment range and are also well known technology providers too.
- We made participation of our Russian Principal “JSC VUKHIN” in collaboration with “Larsen & Toubro” in Rebuilding Project of COB-8, Bokaro.
- We are going to make our Russian Principal “NPO VNIIPTMASH” to participate in Indian PSU tender for Cranes in the coming days in application of Hot Metal handling and Slag Yard cranes up to capacity of 550 Tonnes.
- We successfully carried out Joint Inspection of our Principal “JSC TYAZH STANK GIDRO PRESS” in Bokaro&Bhilai for their existing Bailing and Naphthalene Press.
- We will be Participating in New Upcoming Project of Refractory Press with our Principal “JSC TYAZH STANK GIDRO PRESS”

We have been sole representation cum marketing team of Uralmash plant in India for the Straight Travelling Grate Pellet Plant technology. In course of time we have successfully made participation of Uralmash Plant in few private projects of Pellet plant upto capacity 1.2 MTPA with Indian partners.
EPC

Alongside the representation business, Metallurgy division has grown in EPC by taking up project execution for beneficiation, pelletisation, sintering and other process plants. SRB is also getting associated with reputed groups who have executed similar projects on turnkey basis. We are also associating with companies who are into the equipment manufacturing & fabrication for equipments of similar projects.

SRB is also associated with experienced construction company from Russia named KMSD who are into the construction business for steel, power, oil & gas sector.

DESIGN ENGINEERING

SRB have started providing services for detail engineering for projects of beneficiation, pelletisation, sintering & other process plants. We have developed an in-house engineering office with the enrollment of well experienced designers from reputed organizations.

Our engineering team consists of designers & draftsmen for handling of Civil, Mechanical, Electrical, Instrumentation and other auxiliary needs of engineering for any particular project.

PROJECT MANAGEMENT

Project Management Division created recently by SRB is getting further strengthened to facilitate project implementation from tendering stage itself. Some of the major services covered under project management include:

a) Follow-up of tendering process.
b) Project implementation schedule preparation.
c) Milestone identification and flagging its criticality for timely action by client.
d) Site survey & controlling for execution for execution of project as per the implementation schedule.
e) Timely raising of invoices on regular intervals to ensure fund flow.
f) Reports submission to the end client on progress of project.

We have our team of experienced engineers & accountants for the management of project from concept to commissioning.
SRB is sponsoring event of National Seminar on regular basis. We have recently sponsored and participated seminar on Challenges in enhancing coal production through state of art Technology, higher productivity and innovation held on dated 13th -14th May 2015 by WCPS. It is an international professional NGO engaged in addressing productivity challenges through various activities. Mr. Abdul Kalam has been an asset and guiding sight to SRB Group in its Mining Division. His vast experience and technical knowledge has helped to nurture business growth and train managers in SRB.

Mr. Abdul Kalam graduated in Mining Engineering from Banaras Hindu University in the year of 1966. He was trained in High Technology Mining (open cast and underground mining) in United Kingdom. He is one of the few mining engineers who have experience in handling largest and most difficult open cast and underground mines in India. His experience in fiery mines related to hot hole blasting is widely recognized in the industry. Besides he has been former CMD, Eastern Coalfields Limited and Director (Technical) with Coal India Limited, he is on the Board of Mahanadi Coalfields Limited and National Mineral Development Corporation. He is president of World Confederation of Productivity Science (India). Mr. Kalam serves as a Board member of the World Confederation of Productivity Science (India) and is a member of the editorial board of WAPS (International) New.
EPC SOLUTION

“At SRB International, we have done value addition to our profile by taking up projects for execution on EPC basis. SRB being a beginner in this segment is looking forward to grab projects from already awarded contracts to Major EPC Companies & participate in consortium with associates for similar works.

One such similar piping job work for execution is being taken care of by SRB International at Bokaro Steel plant for Scale sludge water pipeline. By the end of 2015 we positively hope for indulging our EPC segments in job works like erection of cranes, erection & commissioning of workshop & stores at Northern coalfields etc. as we have participated in these projects as strong bidders.

Our other positive approach towards expanding in the EPC section, is to introduce leading turnkey projects execution companies like Polat- Turkey, KMSD-Russia, Granex-Czech Republic with whom we have our strong association. These companies have been executing projects on turnkey basis for segments like Infrastructure projects (Roads, Bridges, Tunnels & Metro projects), Environmental projects (Water treatment, Sewage treatment, Solid waste management), Industrial Projects Etc. We plan to introduce them to Indian market & to providing world-class & highly technical solutions to the Indian clients.”

Tie Up & Achievements

• We have tied up with Turkish Company Polat Yapi for participation in the upcoming projects of Bridges, Roads, and Highways & Infrastructure and in near future we will be participating in these projects with their support.

• We have taken up job work for Replacement of Scale Water Pipelines from Slabbing Mill & Hot strip Mill to sludge compartment No.2 of Bokaro Steel Plant (SAIL). Bokaro for the Replacement of Scale Sludge Water Pipeline.

OIL & GAS

SRB International Pvt. Ltd has been exploring and planning to enter oil and gas sector under the stalwart leadership of Mr. Radhey Shyam who have a vast expertise in the fields of Oil & Gas.

SRB International Pvt. Ltd is in final discussions with Russian and CIS companies who are leader in upstream oil and gas and developer of high technology software systems for geophysical and geological data processing, interpretation and modeling.

SRB will be providing highest possible reliability of recommendations to perform geophysical surveys, including seismic, gravimag, electromagnetic data acquisition added by geo chemical exploration services, deep and directional drilling and associated services, work over and well completion.
**IT DIVISION**

SRB is in the process of starting its presence in Information Technology sector from July 2015 onwards. Along with IT services, we are also planning to provide specialized solution in software and manpower:

**IT DESIGN SERVICES (CAD/CAM/CAE):** SRB Information Technology will be offering innovative, value added and cost effective engineering solutions. Our efforts will be direct to infuse innovation, quality and excellence into our services delivery.

**CORPORATE TRAINING:** Our corporate training is planned to be very affective and focused as per the needs of the business houses. We have specialists for each leg of the learning cycle for each level of the organization. We are planning to provide Technical training programs from basic to advanced courses on software for MS.NET, SHARE POINT, BIZTALK, ORACLE, SQL SERVER, JAVA, J2EE, BI, DATA WAREHOUSE, SAP etc. In management training programs, we offer in the areas of Process gap analysis, implementation of CMMI, GDPM and PMBOK based maturity models. We can offer our customers end to end services for all your learning challenges and requirements.

**MANPOWER SOLUTIONS:** With our industry expertise, we understand that company’s today require more than a skilled candidate; they reach for employees who are productive, exhibit a positive attitude and have the ability to become a member of their team. We will have a top notch assessment system that targets all phases of employment, from selection and hiring to training, self – coaching and management performance. The most expensive problems companies deal with today can be solved (or at least diminished) with a better understanding of the people you employ, by capitalizing on an individuals’ strengths, you can achieve more desirable results.”

**AVIATION DIVISION**

SRB Aviation Division is planning to provide the best, safest and most reliable aircraft available in the industry - various light, midsize and large cabin aircraft types accommodating from 6 to 18 passengers with flight range of up to 7,700 statute miles from July 2015 onwards. We will furnish arrangement for all types of aircrafts as per the customer’s requirement, giving them complete support.

We will provide Air Charter services to our clients on pre-negotiated rates for twin engine jets, turboprop. Aircraft helicopter services as per the requirement to the various destinations in India and abroad. We also provide Ambulance Services for the sick persons on immediate requirement.

We are planning to adapt at handling and transporting pharmaceutical cargo, outsize cargo, perishable goods, Defense Cargo, Humanitarian Relief cargo, Heavy Machinery and allied equipment &essential commodities such as civil supplies etc. within India and worldwide destinations.

SRB Aviation will be set up exclusively for corporate flyers, international private flyers, non-scheduled passenger and cargo flights flying in India and Abroad. SRB will acts as single window agency from where you can source the entire range of general aviation services. These services include obtaining over-flight / landing permits, military clearances and other mandatory clearances before you fly in. Further, SRB’s ground handling services will include VIP Facilitation through Custom, Immigration, Baggage Handling, Flight Dispatching, Weather Services, Security Services, Catering, Hotel Reservation and Aircraft Charters.

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**IT DIVISION**

Mrs. Puja Gandhi  
Director, SRB Group

She is Science Post Graduate. Her warm personality and great sense of humor wins everybody's heart at the first sight. She has years of experience and loves the challenges of working at the IT Division. She is the administration in charge and key person of SRB Group.

**AVIATION DIVISION**

Mr. Krishna Murti  
Key Member (Aviation Division)

Mr. Krishna Murti is commerce Graduate. He is the key member of SRB Aviation Division. He is a man with huge practical knowledge and an unstoppable determination to succeed. Having a sharp business sense, Mr. Krishna Murti knows-how to get the job done.
Founder/Director Overseas Message

Since its foundation SRB Group’s business has grown exponentially. Projections for the coming years suggest that expansion is set to continue on its upward journey.

I appreciate and need to thank all the SRB Group members who have toiled for the success of the group. Without their dedication and pursuit SRB Group would not have reached the height it has in these past ten years.

I am confident with the same dedication and vision in sight the coming year would see extraordinary outcome.

The association with our business partners has strengthened over the years resulting in increase in volume of business. Our all around endeavor has been to provide top quality products which meet the international standards.

The financial results of the company is a proven fact that the effort, dedication and hard labor by all the members, staff and associates were carried out collectively with a focus to contribute to the growth of the Group.

We have strengthened international markets through developing strong distribution network and acquisitions to suit our long-term strategy. In very short span of time we have grown market presence in countries like Russia & CIS countries, Europe, USA, Africa and South-East Asian Countries.

I sincerely thank all the committed, experienced and knowledgeable business partners of our company who are contributing to the company’s success and growth, and all our employees for their continued encouragement.

Mr. Ram Murti Keshri
Founder/Director Overseas, SRB Group
SR Medicare is a part of SRB Group, which is a rapidly growing integrated research-based pharmaceutical company. It is an institution working indefatigably to discover, develop, and distribute best-quality pharma products to the needy and serve mankind with our devoted medical staff comprising highly quality professionals with a rich wealth of experience. SR Medicare is one-stop solution for all types of pharma products be it tablets, capsules, syrups, injections, herbal products or ointments. SRB Medicare India establishes its name in several nations such as Azerbaijan, Georgia, Turkmenistan, Myanmar, Vietnam, Russia and Ukraine. We aspire to reach out to you globally and are on the final stages of spreading our wings to Africa, Latin America, South Asia and Eastern Europe.

I would like to extend my greetings to all of you who have received the first publication of SRB Bulletin.

SRB Group is aiming to become a corporate group that is capable of achieving sustainable growth irrespective of business circumstances. To achieve this goal, we must view the current dramatic changes in our business environment and convert them into opportunities. We must not be satisfied with the status quo, but rather continually innovate and achieve advancement towards further growth.

We must return to the most basic principle of any industry, that is by strengthening our capabilities. SRB has been make unceasing efforts to provide products that precisely meet the needs of customers ahead of any competitors in a rapidly changing market. We remain committed to maintaining a high level of quality as we work to curb production costs to ensure competitiveness and speedily deliver our products to our customers. Through swift decision-making, we will continue concentrating and streamlining business operations. Simultaneously, we will strive to develop next-generation products and pursue growth opportunities through the creation of differentiated products. In this way, we will continue to ascertain future direction of the SRB Group.

We operate in a number of business domains that we have singled out as priorities for the future: Mining, Metallurgy, Oil & Gas, EPC and Global Trading.

SRB Group aims to have an indispensable presence in society, based on its management philosophy, “With creativity and productivity, We, SRB Group, will explore products of value to society, and seek an eternal growth of our group.” We hope that you will continue to give your guidance and support to SRB Group.

We look forward to building a successful company together with all our Partners and Customers.

Mr. Sanjay Kr. Singh
CEO, SR Medicare, Founder SRB Group
GLOBAL TRADING DIVISION

Russia and CIS nations are one of the largest trading partners of India. The bilateral trade has been on an increase between India and these nations year on year.

The major commodities exported by India include pharmaceuticals, medical devices, iron and steel, natural stones, machinery and Mechanical appliances, oil seeds, miscellaneous edible preparations and articles of apparel and clothing.

The major products imported by India are iron and steel, fertilizers, mineral fuels, vegetable fats and oils, organic and inorganic chemicals, boilers and other mechanical appliances. Under the focus CIS policy of Government of India, economic and commercial activities between these countries are most likely to increase quarter on quarter giving a boost to traders.

A number of known Indian companies including SRB International Pvt. Ltd have their presence and offices in CIS nations. India is one of the largest exporters of pharmaceuticals and medical devices to CIS nations in monetary terms and SRB is playing a vital role in increasing this trade.

Global Trading Division of SRB International is headed by Mr. Vikas Goel and Mr. Harsh Keshri. With vast experience of Dr. Vikas Goel and innovative ideas of Mr. Harsh Keshri, helps us expand our market to get our product successfully introduced in countries like Russia, CIS, USA, Africa and South-Eastern Asian Countries.

SRB International has many medical devices and medicines registered under our brand names in CIS countries. Even though trade has increased between India, Russia and CIS nations but still it is miniscule when compared with the trade taking place with other countries. For Indian traders and exporters Russia and CIS is a land of opportunities which is still opening up and business cooperation between them has just begun.

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**Key Executive**

**Dr. Vikas Goel**

Vice President, SRB Group

Dr. Vikas Goel is a Ph.D from LLRM, Meerut. Dr. Vikas is a truly one of a kind; his dedication to work is unparalleled with a sharp business sense. He has more than 30 years of experience in marketing & International Business. He is a man with a dream and an unstoppable determination to make it come true.

**Key Executive**

**Mr. Harsh Keshri**

General Manager

Mr. Harsh Keshri is a Law Graduate from Symbiosis International University. He became a part of SRB Group in 2010. Since then with his innovative ideas and forward thinking approach helps SRB to diversify and expand global trading.
SRB MEDZONE

SRB Medzone is a division of SRB International Pvt Ltd which is an ISO 9001:2008 company working tirelessly to make its medical devices as effective as it can be for patients, doctors, nurses and other medical professionals. We identify their needs and try to translate them into superior quality products. Our medical devices try to exceed the high quality and safety expectation created by patients, medical professionals, paramedics and regulators.

SRB International Pvt Ltd has its presence in Russia, CIS, Africa and South East Asian Countries. All these regions are capturing their rightful role in the world faster than any other regions. The economic growth and consumer expenditure in healthcare in Vietnam, Indonesia, Russia, Ukraine, Turkmenistan and some other CIS and African countries is among the highest in the world. Political reforms are moving at a fast pace and by peaceful means while the rise of an educated middle class is creating a large consumer base.

We are currently exporting medical devices in our brand name as well as on OEM basis. We have more than 45 medical devices registered in our brand name under the banner of V Medzone which are getting exported to Russia and CIS countries. In near future we will be exporting to South East Asian and African countries.

We are confident that SRB International Pvt Ltd South East Asia and Africa’s strength will result in high growth and profitability for us in the years to come.

SRB Vietnam Exhibition Medical Devices

SRB International Pvt Ltd successfully participated in Vietnam Expo, 2014

The 12th International Trade Fair was held at Saigon Exhibition & Convention Center, Ho Chi Minh city, Vietnam. The exhibition was a success and the atmosphere at the exhibition centre was outstanding. The exhibition helped the company in locating potential clients from Medicine as well as construction field.

Vietnam Expo. 2014 had a participation of 400 enterprises from over 10 countries. It was an ideal destination for business to promote and advertise their products and services as well as expand their operation in Vietnam.

SRB Sudan Global Exhibition Medical Devices

SRB International Pvt Ltd participated in Sudan Expo at Khartoum, 2014

ASSOCHAM organized 'India Pavilion at Sudan Projex - Global Exhibition for Sudan Projects' during December 9-12th, 2014. SRB International participated in Sudan expo keeping in view the huge market for it’s medical devices. Africa had always been on radar of SRB and this exhibition was just the opportunity which SRB was waiting for. Sudan is the largest country in the African continent. A member of the Arab League, it is also the largest country in the Arab World and 10th largest country in the world by area.

The Expo attracted a large number of Exhibitors with a good foot fall of clients from all over Africa.

KIHE (13 - 15th May 2015)

SRB had participated in Kazakhstan International Healthcare Exhibition held in Almaty Kazakhstan from 13th may to 15th May 2015 which is a favorable basis for medical equipment business, as it allows the participants to make and confirm a large number of contacts within a short space of time.
SRB STONEZONE

SRB Stonezone is the division of SRB International Pvt Ltd which has been established with the aim of providing a flexible approach to the supply of natural stone products. The principles of working are based on providing superior quality products with varied choice and customer centric services. Our personnel’s possess industry knowledge and experience which sets the standards for customer satisfaction.

The company with time has made continuous investment in premises and equipment as per the need of the sector. We are proud to have an experienced team taking care of material selection, customer service and stock control, whilst focusing on the exceptional quality and variety of the products.

The company has diversified itself and is exporting both Natural stones as well as Ceramic and digital vitrified tiles. It has modern units based in North and South India with line polish, cutters, edging and calibration equipments.

The company is exporting ceramic and digital vitrified tiles to Russia and CIS under its registered brand of "BRILLARE".

Bakubuild, Azerbaijan

SRB International Pvt Ltd participated in BAKUBUILD expo held at Baku, Azerbaijan. The expo attracted 387 exhibitors out of which 262 were international exhibitors from 30 countries including their national pavilion. The visitors were Heads of construction companies, Representatives of foreign companies, Engineering Managers, Engineers, Architects, designers.

Natural Stone, Turkey 2014

SRB International Pvt Ltd participated in Natural Stone 2014, "11th International Marble, Natural Stone Products & Technologies Fair " which was held between, at CNR EXPO, Istanbul. The exhibition was purposeful in creating an effective meeting and trade point for global/local natural stone industry professionals.

India Expo Ashgabat, Turkmenistan

SRB Group participated in India Expo organized by India CIS Chamber of Commerce and Industry along with Turkmenistan Government duly supported by Indian Embassy at Ashgabat held at Ashgabat, Turkmenistan from 24th to 26th of May 2015.
SRB PETZONE

SRB Petzone is division of SRB International Pvt Ltd conceptualized under the brand name "PET ZONE" exclusively devoted to Pet Care. Pet Zone is getting established as an experienced exporter from India specially for the entire range of stainless steel bowls and Dog Chews.

CIPS 2014 - The 18th China International Pet Show
SRB International participated at the exhibition held in Beijing, China. The exhibition was a success as it helped in adding a number of clients from Europe and other parts of the globe. The footfall included retailers, wholesalers, importers & exporters mainly in International brand product development.

Park Zoo, Russia
SRB International participated in International Specialized Exhibition of Pet Industry "ParkZoo 2014", held in Moscow in the Congress and Exhibition Center "Sokolniki". The exhibition "ParkZoo" proved to be a great place to meet clients from Russia and CIS nations and target audience consisting mainly of managers of enterprises in wholesale, retail, veterinary professionals and pet consumers. The exhibition provided opportunities for the establishment of strong and productive business contacts.

Global Pet Expo, Orlando Fl-USA
SRB International, a member of APPA (American Pet Products Association) participated in Global Pet Expo presented by the American Pet Products Association (APPA) and Pet Industry Distributors Association (PIDA), is the pet industry's largest annual trade show featuring the newest, most innovative pet products on the market today. The most qualified pet product buyers in the industry attended the Show, including an impressive number of international retailers. Global Pet Expo was open to independent retailers, distributors, mass-market buyers, and other qualified professionals. This show was not open to the general public.

Zoomark International, BolognaFiere, Italy
SRB Pet Zone has participated in Zoomark International, BolognaFiere, Italy May 2015. Zoomark International is the top trade event in the pet supplies industry in the odd years in Europe, an excellent chance to grow with the market, boost business, exchange information, compare, transfer know-how, upgrade and broaden professional knowledge.
The annual general meeting (AGM) is one of the key events on the corporate calendar. SRB International AGM was held at EROS International Hotel on 3rd of January, 2015. The AGM was an opportunity for the Director Mr. Bharat Gandhi to communicate his vision for the company, explain the recent performance of the company in its mining, metallurgy and global trading division and to hear from its employees. The AGM had a positive influence on employees from all the sectors of the company and gave a boost required to uplift their work.
Life at SRB International is fun-filled and fulfilling. It is an organization of non-stop celebrations be it monthly birthday parties, project success or periodic get-togethers.

The cultural parties bring the employees and their families together and they get an opportunity to meet and interact with each other. Games, music and dance adds to the fun relieving the employees of the daily office work.
Modern Pellet Plants made by Uralmashplant have the following features:

- High specific productivity – 0.9-1.2 t of product pellets / (m² of process area × hour);
- High Cold Compression Strength – 250-320 kg/pellet;
- Low Fuel heat consumption – ~70 000 kcal/t of product pellets for magnetite ore & ~230 000 kcal/t of product pellets for hematite ore;
- Low electric Power consumption - 36-43 kW/t of product pellets;
- Low fines (<5 mm) content in product pellets – < 2%.
- Low anthropogenic impact on the environment – dust concentration in released gas and dedusting air - 20-50 mg/m³;
- High recycling degree of gas and air flows inside induration machine – 40-50%.
- Modern power supply system and automated control system.

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