



## INTRODUCTION



"ANJANEYA ENTERPRISES" HAD COMMENCED ITS ADVANCEMENT AS MANUFACTURER OF IDLERS / ROLLERS, CONVEYORS SYSTEM, PULLEYS, ALL KINDS OF INDUSTRIAL SUPPLY CONVEYOR RUBBER BELTS ETC. ALONG WITH EXECUTION OF JOB WORKS IN CEMENT, ROAD CONSTRUCTION, CRUSHER UNITS, CERAMIC, COAL, POWER PLANT, SUGAR PLANT, PAPERS, FERTILIZERS, MINES, CHEMICAL, SALTS, GOVERNMENT DEPARTMENT, SEMI GOVERNMENT DEPARTMENT AND ALL OTHER ALLIED INDUSTRIES SINCE LAST TEN YEARS.

WE ARE PIONEER IN PULLEY, ROLLER, IDLERS, CONVEYOR SYSTEM MANUFACTURING, AND TODAY WE FEEL PROUD TO HAVE LEARNT THE QUALITY REQUIREMENT AND HAVE TAKEN OVER THIS RESPONSIBILITY.

IN THE PAST FEW DECADES, FEW INDUSTRIES HAVE CHANGED MORE RAPIDLY THAN THE MATERIAL HANDLING INDUSTRIES IN INDIA. TECHNOLOGICAL ADVANCES AND GROWING CLIENT NEEDS, COUPLED WITH CUSTOMER AWARENESS HAVE CREATED A REQUISITE FOR A NEW KIND OF ORGANIZATION WITH A MUCH BROADER RANGE OF LARGELY SOPHISTICATED AND SPECIALIZED SKILLS AND CAPABILITIES, WHICH WAS MORE OFTEN THAN NOT FOUND IN THE CONVENTIONAL COMPANIES.

CONVEYOR ACCESSORIES HAVE BEEN RECOGNIZED AS CRITICAL COMPONENT OF CONVEYOR, FAILURE WHICH COULD LEAD TO EXTENSIVE DAMAGE AND DOWNTIME, HENCE SPECIAL ATTENTION HAS BEEN GIVEN TO DESIGN TO DEVELOP THE MOST DEPENDABLE DESIGNS AND TECHNICAL KNOWHOW.

WITH THIS BACKGROUND, WE ARE CAPABLE TO MEET CRITICAL CONVEYER HANDLING NEED WITH EFFICIENCY, ACCURACY AND DEPENDABILITY AND HENCE IT WOULD BE AN HONOR TO HAVE OUR NAME AS AN ELITE VENDOR IN YOUR VENDOR'S LIST.





## INDUSTRIAL-STRENGTH



#### **QUALITY POLICY:**

ANJANEYA CONVEYING SYSTEM IS ENGAGED IN THE BUSINESS OF DESIGN, MANUFACTURING AND SUPPLY OF MATERIAL HANDLING EQUIPMENTS AND CEMENT FACTORY MACHINERY.

#### **OUR COMMITMENT IS TOTAL CUSTOMER SATISFACTION**

#### WE SHALL ACHIEVE BY:

- \* CONTINUALLY TRY TO MAINTAIN & IMPROVE QUALITY STANDARD.
- \* STRICTLY ADHERING TO THE QUALITY MANAGEMENT SYSTEM AS PER ISO:9001:2008
  FOR OUR OPERATION AND MONITORING THE SAME PERIODICALLY FOR IT'S EFFECTIVENESS.
- \* WE REGULARLY ENSURE THAT OUR SERVICES MEET THE CUSTOMER REQUIREMENTS AND COMPLY WITH APPLICABLE STATUARY AND REGULATORY REQUIREMENTS.



#### MAKING PRODUCTS THAT MAKE A DIFFERENCE

OUR ENGINEERING TEAM IS DEDICATED TO MAKE OUT THE PERFECTION OUT OF THE
PERFECT. THE QUICK RESPONSIVENESS, PROACTIVITY AND WORK ETHICS THAT WE
ADHERE IS ALL CENTERED TO ONE PRIMARY GOAL TO BECOME THE BEST IN THE MARKET.



## WHAT MAKES DIFFERENT US ?





## **ROLLER DETAILS**

#### 1. ROLLER BODY:

THE SHELL IS MADE OF PRECISION SMOOTH SURFACE 'ERW' STEEL TUBE AS PER IS:9296.

#### 2. ROLLER ENDS:

BEARING HOUSING MADE OF PRESSED STEEL SHEET
WITH CALIBRATED BEARING SEAT, ARE WELDED WITH
THE PERIPHERY OF THE STEEL TUBE, FOR MAXIMUM
STRENGTH.

#### 3. SPINDLE:

SPINDLE LESS ARE MADE FROM M.S. BRIGHT BARS AND ARE PRECISION GROUND AT BEARING AND SEAL SEAT-ING AREAS.

#### 4. BEARING:

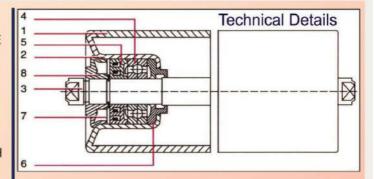
PRECISION SINGLE-RAW DEEP GROOVE BALL BEARINGS WITH 03 CLEARANCES ARE PROVIDED. DISTANCE BETWEEN BEARINGS AND POINT OF SUPPORT AT THE SHAFT IS VERY SHORT AND THUS ENSURE HIGHER LOAD CARRYING CAPACITY AND LONGER SERVICE LIFE.

#### 5. SEALING:

THE DOUBLE MULTI LABYRINTH SEL ENSURES OPTIMUM PROTECTION AGAINST THE ENTRY OF DUST AND DILL IN TO THE BEARINGS.

- 6. INNER SEAL
- 7. DUST COVER
- 8. RAIN CAP.

WE CAN ALSO DESIGN AND MANUFACTURE IDLER ROLLERS FOR SPECIAL DUTY.



#### LUBRICATION;

HI-LITHIUM BASE GREASE IS FILLED IN MEASURED
QUANTITIES IN BEARING AND SEALS, AND ROLLERS ARE
SEALED FOR LIFE.

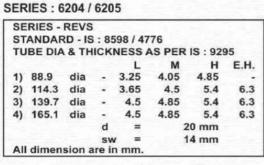
#### **ADJUSTABILITY:**

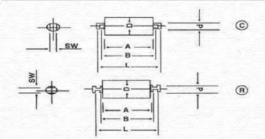
IDLER ROLLERS ARE MANUFACTURED AS PER IS:8598
FOR BELT WIDTH AS PER IS:4776 AS WELL AS TO SUIT
EXISTING CONVEYOR FRAME BY PROVIDING ADAPTER.





## **BELT CONVEYOR IDLERS**





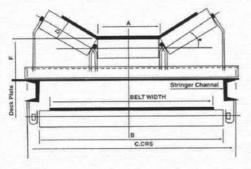
- 1. BELT WIDTH NOT COVERED UNDER IS.
- 2. ROLLERS WITH 76.2 MM. 101. MM. 127 MM & 152.4 MM. DIA CAN BE MADE AS PER CUSTOMERS SPECIFIC REQUIREMENT.
- 3. IMPACT IDLERS WILL HAVE RUBBER RINGS (SHORE HARDNESS 60±65)
  PRESS FITTED ON THE 76.1,
  88.9/114.3 DIA TUBE AND LOCKED AT BOTH ENDS,
- WEIGHT OF ROLLER BASED ON MEDIUM DUTY TUBE.

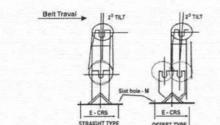
Belt	Roller						-					•				
Width	Dia.	Flat Top / Return Idler					2 Roll Top Idler					3 Roll Top Idler				
mm mm			mens in mn		Wt. in Kg.		Dimension in mm		Wt. in Kg.		Dimension in mm			Wt. in Kg.		
BW	D	A	В	L	Rotating Parts	Total	A	В	L	Rotating Parts	Total	A	В	L	Rotating Parts	Total
	88.9			5.6	7.1	ara			3.5	4.2		400		2.6	3.2	
400	114.3	500	508	536	7.6	9.0	250	258	276	4.5	5.3	160	168	186	3.5	3.9
1000	88.9	2887			6.0	7.7		100		3.8	4.7		-		2.9	3.4
450	114.3	550	558	586	8.1	9.8	290	298	316	5.0	5.9	180	188	206	3.7	4.2
	88.9				6.4	8.3				4.0	5.0				3.0	3.6
500	114.3	600	608	636	8.8	10.6	315	323	341	5.3	6.3	200 208	226	3.9	4.5	
	88.9				7.3	9.4				4.3	5.3				3.3	4.0
600		700	708	736			350	358	376			235	235 243	261		
100 7171	114.3	.00	2.00		10.0	12.0				5.7	6.8	-			4.3	5.0
650	88.9	750	758	786	7.7	10.0	380	388	406	4.6	5.7	250	0 258	276	3.4	4.2
000	114.3	100		1.00	10.6	12.9				6.1	7.3	Lou	200		4.5	5.3
750	114.3	850	858	886	11.8	14.3	415	423	441	6.5	7.8	200	0 298	316	5.0	5.9
100	139.7			000	14.4	17.0				8.5	9.7 8.9	230	200		6.4 5.3	7.5 6.5
	114.3				12.0	16.6				7.1	8.9				5.3	6.5
800	139.7	950	958	998	15.9	19.5	465	473	491	9.3	11.0	315	315 323	341	6.8	8.0
	165.1			2.2.2.	20.3	23.9				11.0	12.7				8.0	9.2
	114.3		1058	1098	14.2	18.2	530	538	556	7.9	9.9			376	5.7	7.0
900	139.7	1050				21.4				10.3	12.3	350 35	358		7.4	8.7
	165.1				22.2	26.2				12.2	14.2				8.8	10.0
****	114.3	****	****	1198	15.4	19.8	600	608	626	8.8	11.0	380 388	100	6.1	7.5	
1000	139.7	1150	1158			23.3				11.5	13.7		388	8 406	7.9	9.3
	165.1				24.1	28.5				13.5	15.8	_	_		9.3	10.7
1200	114.3	1400	1408	1442	18.6 24.6	25.4 31.4		708	732	10.1	13.5	465	465 473	497	7.3	9.5
1200	165.1	1400		1442	29.0	35.9				15.6	19.0	400			11.1	13.4
	114.3		1608		21.0	28.8 35.6	800 80		832	11.3	15.2			8.0	13.4 10.6	
1400	139.7			1642		35.6		808		14.8	18.7	530	538	562	10.5	13.0
Not below	165.1					32.9   40.7   17 22.2   35.5   17	17.5 11.9	21.4 16.0			12.3 8.5	14.9				
1500	139.7	1700	1708	1742	29.4 37.7 850 858 882 15.6 19.8 565 573 5	597	11.0	13.9								
	165.1	1	11.50	11.00	34.8	43.0		1	7	18.5	22.6		100		13.0	15.8
South-1	114.3		1808	8 1842	23.6	37.9	900	908	932	12.7	19.8	deux suit		27150	9.0	13.8
1600	139.7	1800			31.2	45.6				16.6	23.7	600	608	632	11.8	16.5
	165.1				36.9 26.0	51.2 42.0				19.6 13.9	26.7				13.8	18.6 15.2
1800	139.7	2000	2008	8 2042			1000	1008	1032	18.2	26.1	670 678	678	702	12.9	18.2
,000	165.1				40.7	56.7				21.5	29.4	310	310	102	15.2	20.5
0000	114.3			0000	28.4	46.0				15.1	23.6	200 200		10.9	16.8	
2000	139.7	2200	2208	2242			1100	1108	1132	19.9	28.3	750	758	782	14.2	20.1
	165.1				41.3	58.8				23.4	31.9				16.7	22.6





## **BELT CONVEYOR IDLERS**





### 20°,30°,35°TroughingIdler Set (Plain & Impact Type with Stringer & Return Idler)

		Dimensio	ons in m	m.					
Belt Width	Α	В	С	Е	Upto 88.9 D	Upto 114.3 D	Upto 139.7 D	Upto 165.1 D & above	M (Slot Size
* 400	160	500	690	165 / 200	200	225	-	-	14 x 25
450	180	550	740	165 / 200	200	225	-	-	14 x 25
500	200	600	790	165 / 200	200	225		-	14 x 25
* 600	235	700	890	165 / 200	200	225		140	14 x 25
650	250	750	940	200	200	225		-	18 x 30
* 750	290	850	1040	200	200	225	275		18 x 30
800	315	950	1090	200	200	225	275	290	18 x 30
* 900	350	1050	1190	200	200	225	275	290	18 x 30
1000	380	1150	1290	200	200	225	275	290	18 x 30
1200	465	1400	1490	200	200	240	275	290	18 x 30
1400	530	1600	1690	200		240	275	290	18 x 30
1500	565	1700	1775	200		240	275	290	22 x 40
1600	600	1800	1900	200		240	275	290	22 x 40
1800	670	2000	2100	200		240	275	290	22 x 40
2000	750	2200	2300	200		240	275	290	22 x 40

BELT WIDTH NOT COVERED UNDER IS. ALL DIMENSIONS ARE IN MM.







### **ROLLER TYPES**

IMPACT ROLLERS: - ARE USED AS CARRYING ROLLERS INSTEAD OF NORMAL STEEL ROLLERS AT A LOADING POINT. ON STEEL ROLLER THERE ARE RUBBER RINGS ASSEMBLED, SIDE BY SIDE, TO ABSORB THE WEIGHT AND IMPACT OF MATERIAL FALLING ONTO THE BELT. AT THE SAME TIME IMPACT ROLLERS REDUCE THE SHOCK AND VIBRATION THROUGH THE STEEL STRUCTURE.



CARRYING ROLLERS:- ARE USED TO SUPPORT
THE CONVEYOR BELT AND ARE INSTALLED ON THE GROOVE
SHAPE FRAME, GROOVE SHAPE FORWARD INCLINED IDLER
FRAME AND TRANSITION IDLER FRAMES. ROLLERS INCLUDE HIGH QUALITY BEARING, MULTI-LABYRINTH SEALING, GREASED AND SEALED FOR LIFE AND CRITICAL SPECIFICATIONS ESSENTIAL FOR HIGH PERFORMANCE.



RETURN ROLLER:- THE STRAIGHT TRACKING OF THE BELT MAY BE COMPROMISED BY THE TYPE OF CON-VEYED MATERIAL, ESPECIALLY WHEN THIS MATERIAL IS STICKY AND THEREBY ADHERES EASILY TO THE BELT SUR-FACE.



IN THIS CASE, MATERIAL IS ALSO DEPOSITED ON THE RETURN ROLLERS THAT SUPPORT THE BELT, ADDING AN IRREGULAR ADDITION OF SCALE TO THE ROLLER ITSELF.



# CONVEYOR SYSTEM / PULLEY / CONVEYOR FRAME

CONVEYOR SYSTEM: - A CONVEYOR SYSTEM IS A FAST AND EFFICIENT MECHANICAL HANDLING APPARATUS FOR AUTOMATICALLY TRANSPORTING LOADS AND MATERIALS WITHIN AN AREA. THIS SYSTEM MINIMIZES HUMAN ERROR, LOWERS WORKPLACE RISKS AND REDUCES LABOR COSTS — AMONG OTHER BENEFITS. THEY ARE USEFUL IN HELPING TO MOVE BULKY OR HEAVY ITEMS FROM ONE POINT TO ANOTHER.

PULLEY: - THE PULLEY IS CONTAINED WITHIN THE BELT AND HELPS IT TO ROTATE FREELY AROUND THE ENDS OF THE CONVEYOR. IT IS GENERALLY FREE-SPINNING, WITH BEARINGS MOUNTED EITHER INSIDE OR ON THE ENDS OF THE PULLEY.

CONVEYOR FRAME: - THE CONVEYOR FRAME IS
USED ALONGSIDE SEVERAL SIMILAR BLOCKS TO LINK INVENTORIES ON A SMALL-GRID SHIP OR STATION INTO A
NETWORK. ONCE ESTABLISHED, THE CONVEYOR NETWORK
ALLOWS ITEMS TO BE EASILY TRANSFERRED BETWEEN
BLOCKS AND WILL AUTOMATICALLY MOVE ITEMS AS
NEEDED.

REFRACTORY ANCHORS: - SPECIALIZE IN MAN-UFACTURE OF ALLOYS THAT CAN RESIST HIGH TEMPERA-TURES AND STAINLESS FASTENERS THAT ARE USED FOR ANCHORAGE OF THE REFRACTORIES IN PROCESS EQUIP-MENT AND FURNACES.







## LATHE / MILLER / PLASMA CUTTING



**CNC LATHE** 



**CNC DOUBLE COLOUM MILLER** 



**CNC PLASMA CUTTING** 



**VERTICAL LATHE** 





**CNC LATHE** 





**LATHE** 



### **V-PLOUGH FEEDER / DIVERTER**



#### TYPE: MECHANICAL LINK TYPE

●MODEL: CEPL-VPF-800

MODE OF CONTROL: REMOTE/ LOCAL

• BELT WIDTH: 800 MM

• ACTUATOR: ELECTRO-MECHANICAL LINEAR

ACTUATORS.

•STROKE: 280 MM
•VELOCITY: 15 M/S

#### **TYPE: MECHANICAL LINK TYPE**

●MODEL: CEPL-VPF-1200

• MODE OF CONTROL: REMOTE/ LOCAL

• BELT WIDTH: 1200 MM

• ACTUATOR: ELECTRO-MECHANICAL LINEAR

ACTUATORS.

STROKE: 230 MMVELOCITY: 10 M/S

#### **TYPE: MECHANICAL LINK TYPE**

•MODEL: CEPL-VPF-1600

MODE OF CONTROL: REMOTE/ LOCAL

• BELT WIDTH: 1600 MM

• ACTUATOR: ELECTRO-MECHANICAL LINEAR

ACTUATORS.

• STROKE: 220 MM

• VELOCITY: 8-10 M/S

#### SPECIFICATION

- •SPECIALLY DESIGNED V ARM IS PROVIDED WITH WEAR RESISTANCE LINER MADE FROM WEAR RESISTANCE STEEL.
- VARIOUS OPTIONS OF PLOUGH DRIVE
   SYSTEM LIKE HYDRAULIC / PNEUMATIC /
   ELECTRO MECHANICAL ACTUATORS.
- VARIOUS CONTROL SCHEMES TO PROVIDE EITHER LOCAL OPERATION FROM THE MA-CHINE OR REMOTE OPERATION FROM CON-TROL STATION WITH SELECTOR SWITCH OR BOTH.
- MACHINE IS PROVIDED WITH ALL SAFETY CONTROL AND LIMIT SWITCHES, SUCH AS ANTI-COLLISION SWITCH, AUTOMATIC STOP SWITCHES, SENSORS FOR ARM TRAVEL.
- MACHINE CAN BE PROVIDED WITH ASSEMBLY CONSISTING OF SIDE DISCHARGE
   CHUTES WITH WEAR PLATES.









## DESIGN & DEVELOPMENT CENTRE / MANUFACTURING FACILITY / PROJECT ENGINEERING

#### **DESIGN & DEVELOPMENT CENTRE**

SUPPORTED WITH HIGH END CAD/CAM/CAE SOFTWARES.

SUPPORTED WITH HIGH END ANALYSIS SOFTWARES FOR FEA/FMEA

DESIGN VALIDATION TOOLS AND NETWORK SOLUTIONS.

#### MANUFACTURING FACILITY

STATE-OF-ART PRECISION FABRICATION UNIT WITH LATEST EQUIPMENTS INCLUDING FOR 25 MT SINGLE UNIT CAPACITY.

PRECISION MACHINE SHOP WITH LATEST TECHNOLOGY AND HEAVY DUTY MACHINES FOR LARGE SIZE PRODUCTS.

STATE-OF-ART FOUNDRY FACILITY TO PRODUCE ALL GRADES OF PREVAILING ENGINEERING METALS.

#### PROJECT ENGINEERING

EXPERIENCED & TRAINED MANPOWER FOR PROJECT EXECUTION.QUALIFIED & GLOBAL EXPOSED MANAGERS & METALLURGISTS FOR CONCEPTUALIZATION AND EXECUTION OF PROJECTS AND CUSTOMER NEEDS.

TROUBLE SHOOTING & PRODUCTIVITY ENFANCEMENT SOLUTIONS ON CLIENT SITE.



### **WE ALSO MANUFACTURE....**

#### STRUCTURE SCREW CONVEYORS

SEVERAL TYPES OF SCREW CONVEYORS ARE DESIGNATED TO HANDLE A SPECIFIC MATERIAL BEHAVIOR. BULK MATERIALS MAY BE ABRASIVE, NON-FREE-FLOWING, FLUIDIZING, HYGRO-SCOPIC, OR HAZARDOUS.



#### SHUTTLE CONVEYOR

SHUTTLE CONVEYORS ARE FRAMEWORK OR CHANNEL TYPE
BELT CONVEYORS MOUNTED ON TROLLEYS WITH WHEELS
WHICH TRAVEL ON RAILS. THEY CAN BE EQUIPPED WITH OWN
DRIVE WHICH GIVES THEM ABILITY TO MOVE ALONG THE
RAILS IN BOTH DIRECTIONS. THIS MOVEMENT CAN BE FULLY
AUTOMATED OR CONTROLLED BY AN OPERATOR.



#### TRIPPER CONVEYORS

A BELT TRIPPER IS USED TO "TRIP" THE MATERIAL OFF THE CONVEYOR AT SPECIFIED LOCATIONS BETWEEN THE TERMINAL PULLEYS.



#### **DIVERTING GATES**

DIVERTER GATES CONSIST OF A PIVOTING GATE BLADE LO-CATED INSIDE AN INVERTED Y-SHAPED HOUSING. THE GATE BLADE CAN BE POSITIONED TO DIVERT BULK MATERIALS TO EITHER SIDE OF THE HOUSING.





## **V-PLOUGH FEEDER / DIVERTER**

	Т	echnical Specification for V Plough Feeders					
1	TY PE	Motorized with roller tables					
2.	Design Capacity	385/350 TPH					
3.	Material of Construction						
	a. V- Plough Blade	10 Thk. MS mother plate with SS 409 Liner					
	b. Mounting Structure	MS IS 2062					
4.	Operation	Auto Through Motorized Actuators					
5.	Arrangement of diverters	V-plough blades are above the carrying belt and the roller table are between carrying and return belt. Both the blade and roller table are connected by suitable linkage, so that when blades is lowered on the belt for diverting the material the roller table shall move up flattening the belt below the V- Plough blade to facilitate smooth diversion of material					
6.	V- Plough Mounting Structur e	Four legged structure designed to withstand the impact and horizontal thrust of moving material while diverting horizontal thrust of moving material while diverting					
7.	Limit Switches	Suitable limit switch are provided to facilitate interlocking / indication of status of V- plough in control room					



#### PRODUCT DESCRIPTION AND APPLICATION

- •V PLOUGH FEEDERS ARE USED AS DIVERTERS FOR DIVERSION OF POWDER, BULK & SOLIDS FROM BELT DURING CONVEYING.
- V PLOUGH MANUFACTURED BY CEPL PROVIDES A CONVENIENT MEAN FOR DELIVERING MATERIAL FROM A RE-CLAIM BELT CONVEYOR TO LONGITUDINAL SLOT BUNKERS. ADVANTAGES
- ADAPTABILITY TO DIFFERENT MATERIALS AND WHETHER CONDITIONS PERMIT THE PLOUGH FEEDER TO BE USED WHERE OTHER EQUIPMENT FAIL.
- IT CAN BE USED FOR VERITY OF MATERIALS LIKE COAL, COKE, LIMESTONE, DOLOMITE, IRON ORE ETC.
- ENVIRONMENTAL FRIENDLY, POLLUTION IS MINIMUM.



## **OUR VALUABLE CLIENTS**

MANY MORE PRODUCTS & EQUIPMENTS ARE DESIGNED, MANUFACTURED & SUPPLIED TO VARIOUS CORPORATES OF DIFFERENT SEGMENTS, TO NAME A FEW















## ANJANEYA CONVEYING SYSTEMS

#### ANJANEYA CONVEYING SYSTEMS

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### **THANK YOU**