

**Episode no 34**  
**(Sustainable Procurement)**

**Dr. Arvind Dubey**

## **Let's Nurture Our Future**

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*(Signature tune.....fades out)*

*(Opening music.....fades out)*

**ANCHOR:** Namaste, friends. In the last episode of (Name of the serial) you heard about (recap of the last episode). In this episode of the radio serial (Name of the serial) we will talk about Sustainable procurement, means how we can use natural resources in such a way so that they can last longer or if possible till eternity.

**ANCHOR:** Friends, nature has given us lot of things. For this should be indebted to her. Are we really? Nature has given us air, water, land, vegetation, minerals etcetera. These rivers, lakes all flora and fauna are made for. But how we are using them? Are we behaving responsibly..... conservatively? Are we not extravagant in using these gifts of nature? If this practice of ours continues, then what will happen? A day will come when these resources will no longer be with us. Think for a while what type of we will hand over to our new generations? So think and act from today. Reduce our needs and try living with nature. Use its resources in such a way.....give enough time to mother nature so that it can regenerate and recuperate.

*(Change over music.....fades out)*

**ANCHOR:** Before going on the today journey let me introduce my evergreen friends. This is Medha, studying B.Sc. honors; this is Vivek, an intermediate student, their mother Sunita, an educated housewife and their father Sunil, who is a professor in a degree college. This family has come to Itanagar at his maternal uncle Dr. Mahesh Wadhava's residence, who is physician in a military hospital of Itanagar.....Yes.....Yes.... same Itanagar, which is capital of Arunachal Pradesh. So lets peek into Dr Mahesh Wadhava's room.

*(Change over music.....fades out)*

### **Scene: 1**

*(Opening music.....fades out)*

**Place:** hospital, Dr. Mahesh Wadhva's room

*(Dr. mahesh Wadhva sitting in my room, seeing his patients)*

**Mahesh:** I have written the medicines. These drugs are available in the pharmacy. Take these drugs for three day and then come again. Next patient.....

*(Bell rings)*

**Vivek and Medha:**

(Simultaneously) mahesh Mama, finally we are here.

**Dr. Mahesh:** Come, come Vivek, come here, where are Sunita Di and Jija Ji?

**Sunita and Sunil** (Simultaneously):

we are here Mahesh.

**Dr. Mahesh:** Namaste Sunita Di, Namaste Jija Ji.

**Sunil:** Mahesh today you are so busy, then.....?

**Vivek:** Won't we go for forest visit, Mahesh Mama Ji?

**Mahesh:** No Vivek, you will go for outing. Mr assistant doctor is coming. The moments he comes, we will go for forest visit, OK.

**Vivek:** OK

**Mahesh:** Besides I have also called Mr. Daren khandu ji to accompany us.

**Khandu:** Namaste.

**Mahesh:** He is Mr. Daren Khandu. He runs a voluntary organization "Nature", here. His organization is engaged in environmental conservation. Besides khandu Ji speaks wonderful Hindi.

**Vivek and Megha** (Simultaneously):

Hello khandu uncle.

**Mahesh:** Khandu Ji, this is Sunita, my elder sister and this is Sunil, her husband. This is Vivek and his sister Medha both are in school.

**Khandu:** Hello, do you like our Arunanchal?

**Sunita:** It is a wonderful place with awesome natural beauty.

**Mahesh:** Vivek, Sunita Di and Jija Ji, please go to the side room with Khandu Ji. I will join you later on after finishing my work.

*(Change over music.....fades out)*

## Scene: 2

*(Opening music.....fades out)*

**Location:** Doctor Wadhva's room's side room

(Doctor Wadhva's room's conversation is partly audible in this room)

- Vivek:** Khandu uncle, when I was coming to Mahesh Mama's room, I have seen too many patients having only one hand or only one limb.
- Khandu:** Oh those people ... they are fishermen.
- Medha:** (Astonished) how being fishermen is related to having single hand or limb?
- Khandu:** They all are victims of accidents; usually occur during their way of fishing.
- Medha:** Accidents occur during fishing, I don't understand.
- Khandu:** These accidents occur during "Blast fishing", which they practice here.
- Medha:** Blast fishing.... what is this, Khandu Uncle?
- Khandu:** Medha this is a simple but illegal way of fishing.
- Sunil:** Simple and illegal?
- Khandu:** Yes Sunil ji, these people use homemade and crude dynamite or other explosives for fishing.
- Sunita:** How?
- Khandu:** Sunita ji, these people throw these homemade explosives in a river or lake which explodes inside the water.
- Medha:** ok
- Khandu:** By this explosion *shock waves* are generated inside the water.
- Vivek:** Shock waves?
- Khandu:** Yes, fishes have an air filled structure inside their body which is called *swim bladder*. It helps them to go deep inside the water as well in swimming on the surface of water.
- Medha:** I know this, Khandu uncle.
- Khandu:** Medha due to these shock waves their swim bladder bursts, which cause torrential bleeding. This kills the fish in an instant. These dead fishes either float on the surface of water or settle in the bottom of the lake or the river.
- Vivek:** Good?
- Khandu:** Now they can collect them easily.
- Medha:** **But Khandu uncle how this fishing method is related to these accidents, which cause loss of limb or hand?**
- Khandu:** Medha, since they make the local and crude explosive which, some time bursts in their hands and cause these ugly accidents.

- Sunita:** Kandu ji, why do you say that this method of fishing is illegal.
- Khandu:** Yes Sunita ji this type of fishing is harmful to the environment. So in most of the countries, this blast fishing, cyanide fishing, trawling are declared illegal and banned.
- Medha:** why?
- Sunita:** Because in these methods, besides large fishes, all small fishes and sea creatures are also killed, this is called by-catch.
- Khandu:** Yes Sunita Ji this by-catch is of no use to these fishermen. So they leave it on the beaches where it heavily pollutes the environment and water.
- Sunil:** This also causes devastating damage to the coral reefs in the sea.
- Khandu:** Because in this method of fishing, smaller fishes are also killed alongwith the large target fishes, the fish yield keeps on decreasing day by day.
- Vivek:** And this cyanide fishing, what is this?
- Khandu:** Cyanide fishing is done for catching alive and healthy fishes for your aquarium. In this Sodium cyanide is spread over the surface of water. This make the fishes unconscious and they start floating over the surface of water.
- Sunil:** But very small fishes and other marine animals are killed in this process.
- Khandu:** Yes Sunil Ji, besides it causes severe damage to the coral reefs in the seas. So this too is banned in many countries.
- Vivek:** and this fish trowling, khandu Uncle. What is this?
- Khandu:** Trowler is fine fishing net which is tied to a ship or boat sailing over the water surface. This trawler reaches to the bottom of the sea or just above the sea bottom.
- Sunil:** It is also called dragging, isn't it?
- Khandu:** Yes sunil ji, in addition to the large fishes needed by the fishermen, many other sea creatures; small fishes too are also stuck in it as by-catch. This by-catch is thrown by the fishermen over sea beaches. This cause heavy pollution and lots of flora and fauna are unnecessarily killed. This too causes rapid population reduction in fish population.
- Sunita:** You're right, Khandu ji?
- Khandu:** Sunita ji fish is supposed to be a light and easily digestible meat. Not only in India but in other countries too, large population depends on fishing for their nutrition and livelihood.
- Sunil:** If we keep on catching younger fishes too alongwith the large fishes, the catch size will keep on reducing.

**Khandu:** That's why we advise that once fishes are procured from a place, further fishing from the same place should be prohibited for some period. So that smaller fishes can grow to adulthood and breed.

**Sunil:** This way the amount of fish production can be maintained to the desired level.

**Sunita:** And this is called *sustainable procurement of the fishes*, am I right Khandu Ji?

**Khandu:** Yes Sunita Ji and this is the need of hour.

**Sunil:** I think that every natural resource should be treated in this sustainable procurement way.

**Khandu:** We also advise that the holes in fishing net should be large enough so that small fishes may easily cross through it.

**Medha:** This way we can maintain the fish production to an average level.

**Khandu:** Our organization advocates that there should be strict laws and severe punishments for these illegal fishing methods. The fishermen should be trained and helped financially and technically, so that they can adapt nature friendly ways of fishing.

**Sunil:** As per my information there are laws for this in our country too but these are not implemented strictly.

*(Dr. Mahesh badhva enters the room)*

**Mahesh:** Jija ji, I think you don't get bored in company of Daren Khandu Ji.

**Medha:** Of course not, Khandu Uncle is an interesting and well read man.

**Khandu:** Nothing substantial Doctor Ji, I was simply telling them about my organization. Are you free now?

**Dr. Mahesh:** No Khandu Ji my fellow doctor is not coming. Can you do me a favour?

**Khandu:** Simply order doctor ji and it will be done.

**Mahesh:** Take my sister and her family for a short visit to jungle. Take my Jeep.

**Khandu:** OK, my pleasure, certainly I will take them for jungle safari and do my best possible to entertain them.

**Medha** (excited tone):

Can we meet the local tribes, living in these areas.

**Khandu:** Of course, why not?

**Sunil:** Then lets go.

*(Change over music .....fades out)*

**Scene:3**

(Opening music .....fades out)

**Location:** Forest

(Give appropriate sound effects to establish ambience of the forest. In between the sound of the Jeep continues.)

**Vivek:** Where are we going khandu uncle? We are travelling in this jeep for many hour but we are yet see a human settlement.

**Khandu:** It is very dense jungle of this area. Tribals reside here in small settlements which are too far from one another.

**Sunita:** These tribals mostly depend on these forests for their day to day needs, aren't they?

**Khandu:** You are right Sunita ji; these people live in harmony with the nature.

**Vivek:** What is this Khandu uncle? Here a large area of the jungle is burnt, Wht has happened to it?

Are they going make a new human settlement here?

**Khandu:** No vivek, this forest is burnt and cleaned for agricultural purpose.

**Vivek:** for farming?

**Megha:** Is this *Jhum cultivation*, khandu Uncle?

**Khandu:** Yes Medha this is called "*Jhum Farming*". In this farming method, the forests are cleared by burning and crop cultivation is started in a natural way. Fertilizers are are not used in this method so crop yield decreases constantly, year after year.

**Sunil:** when it is economically not viable, the place is abandoned and new area of forest is burnt and crop cultivation is started there and so on.

**Sunita:** It causes enormous damage to the forest.

**Khandu:** "Adi" tribe of this area practice *Jhum cultivation*.

**Sunil:** Khandu ji, does you organization do some thig to prevent this type of farming?

**Khandu:** Yes Sunil ji, we are training these tribles for permaculture, forest farming, crop rotation, agrofarming etecetera.

**Vivek:** Permaculture, what is this?

**Khandu:** Vivek although parmaculture means permanent agriculture, but in fact it is a distinctive way of living, without harming the nature, rather with rejuvenating the nature.

**Megha:** How?

- Khandu:** Medha in this method the farming is considered with all human needs collectively, with emphasis on not disturbing the balance of the nature.
- Sunita:** How?
- Khandu:** Sunita Ji, you see how this happens in the forests? The waste products of plants and excreta of wild animals are used as natural fertilizer, used by wild plants. The fruit or other plant products are used by the wild animals.
- Sunita:** So the plants and animals survive in the wild, without harming each other.
- Khandu:** This is the undercurrent of permaculture; I mean basic idea behind this.
- Vivek:** How is it done?
- Khandu:** Lets consider an area being used for permaculture. In the central zone there is human settlement where they keep cattles. In the next zone animals like pigs, hens, cocks, goats and other animals are kept for obtaining flesh or sheeps are kept for wool.
- Medha:** OK
- Khandu:** In the next zone, vegetables are grown which are used by the persons residing and working there and may become a source of extra income.
- Sunita:** Interesting and further, I mean in the next Zone?
- Khandu:** In the next zone the small shrubs, and some medicinal plants like *Zinseng*, Brahmi, or some fodder plants are grown.
- Sunil:** .....and grains will be in the next zone, isn't it?
- Khandu:** Yes Sunil ji, some flowering plants are also grown in this zone which can be sold in the market.
- Medha:** ...and becomes an extra source of income.
- Khandu:** Yes Medha and in the next zone there are naturally grown plants and forest are maintained in which wild animals, birds, and other wild creatures reside. These forest trees save this whole arrangements from fast winds and hurricanes.
- Vivek:** and from where it gets water, needed for plants and animals?
- Khandu:** Natural ponds are created in this system and every drop of water is saved and used. The waste material produced here is also not go waste.
- Medha:** How?
- Khandu:** Excreta of animals, dry leaves and other waste products are used in compost and finally used as natural fertilizer as and when needed.
- Sunita:** Interesting but looks quite impractical.

**Khandu:** Sunita Ji, you have not seen such arrangement, that's why it looks impractical to you. When father of permaculture *Bill Mollison* and his student *David Holmgrane* started permaculture in *Tasmania* for the first time, wonderful results were obtained.

**Medha:** How Khandu uncle?

**Khandu:** At that time in Tasmania the fish production was reduced considerably, the forest were on the verge of extinction, crop yield had reduced to one fourth.

**Vivek:** Then?

**Khandu:** After applying this arrangement, the scenario started changing in few years.

**Medha:** Wonderful.

**Khandu:** Medha what I have told you is simply an example of permaculture. There are no hard and fast rules for this.

**Sunil:** Arrangements are devised according to the need and availability of resources.

**Khandu:** Yes Sunil Ji, basic principle is that nothing should go waste and needs should be fulfilled in such a way that is should not disturb the balance of the nature.

**Medha:** khandu uncle, but where there is dense forest, it will be difficult, rather impossible to make such arrangement.

**Khandu:** Yes Medha for such places our organization advocates *Forest Farming* and teaches the ways, it can be practiced.

**Vivek:** Forest farming, what is it, Khandu Uncle?

**Khandu:** In this, forest is neither cleared nor destroyed totally but the large forest trees are cropped in such a way that small amount of light starts reaching under them.

**Medha:** So?

**Khandu:** And now those crops, which can grow even in shadow, are grown under them.

**Sunita:** Which crops, Khandu Ji?

**Khandu:** ..... Such as Mashrooms, Jinseng, other medicinal plants. Besides domestic animals, hen farms, fish ponds, duck are maintained under the forest trees.

**Sunita:** This is called agroforestry, isn't it?

**Khandu:** Yes Sunita ji, also there are other methods too, such as multiple crops, crop rotation etcetera. All efforts are made to maitainn the balance of nature.

**Vivek:** Khandu Ji what are these multiple crops?

**Khandu:** Vivek, this method of farming is used in many districts of Uttarakhand. In this number of crops are grown together, in the same field, which mature at different time.

**Sunil:** Yes Khandu Ji, I have seen 15-16 crops growing simultaneously in fields.

**Medha:** Khandu Uncle you were saying that we will meet tribal people too, residing in deep forests.

**Khandu:** Yes Medha we are going to a place called “Zero Valley”, home land of “Apatani Tribe”.

**Vivek:** Zero Valley?

**Khandu:** Yes Vivek, this place is in lower *Subansiri district of Arunachal Pradesh*. United Nations Social and Cultural Organization, UNESCO, has declared Zero Valley, a *World Heritage Site*.

**Sunita:** Why, a World Heritage Site?

**Khandu:** *Apatani* people are living with nature so harmoniously and successfully that it is precedence for the entire world.

**Vivek:** Khandu Uncle, when we will reach there?

**Khandu:** It’s a bit far.....about 170 kilometers from Itanagar. I think we have covered half of the distance. So two hours more and we will be there.

*(Jeep’s noise becomes loud then fades out)*

*(Change over music .....fades out)*

#### **Scene: 4**

*(Opening music .....fades out)*

**Location:** Zero Valley

*(Give sound effects to establish lush green forest. Jeep’s noise becomes apparent then fades out)*

**Khandu:** Sunil Ji, finally we have reached Zero Valley. First of all let’s see the way of farming of these *Apatani* people.

**Sunita:** Khandu Ji why there are so many ponds here?

**Khandu:** Sunita ji, these are not ponds. These are their paddy fields. *Apatani* people’s main crop is paddy. They grow paddy in these fields along with the fishes.

**Medha:** Wonderful, two means of food in one go.

**Khandu:** Not only this, on these farms they grow **bajra and Jowar** on the dividing lines. For this, these people do not use machines, plows or even animals.

**Sunil:** Then how do they irrigate their fields?

**Khandu:** They maintain and conserve their natural waterfalls, water sources and ponds with extreme effort. These water bodies provide them enough water for their personal use and irrigation, throughout the year.

**Sunita:** Khandu Ji, how do they conserve their water bodies?

**Khandu:** These people protect their forests quite carefully. They procure jungle yield in such a way that cause no harm to their forests. This forest cover saves their water bodies from drying.

**Medha:** ...very scientific approach.

**Khandu:** Yes Medha, they catch only large fishes from these fields and leave the smaller ones so they can grow and breed.

**Sunil:** And how do they live Khandu Ji?

**Khandu:** Their living is very simple. Rice is their main food. They do not use these spices. They make their own salt from the bark and roots of some trees.

**Medha:** and their houses?

**Khandu:** They make their houses from locally available substance obtained from the forests, such as bamboo or wood.

**Sunita:** It means they are satisfied in whatever they have?

**Khandu:** Not only satisfied but living cheerfully and growing with the nature.

**Sunil:** These tribes have a lot to teach us, the so called *civilized ones*.

**Khandu:** That's why we are going to meet them. They are very courteous to their guests.

(Change over music .....fades out)

### Scene: 5

(Opening music .....fades out)

**Location:** House of Medha and Vivek

(Medha, Vivek and their father Sunil are talking)

**Vivek:** Medha Di, today my English teacher asked me that where we went in the holidays? I narrate whole adventure to him.

**Medha:** Did you tell him about Apatani people too?

**Vivek:** Yes, and he was so impressed that he took me to meet principal sir. Do you know what principal sir did?

**Sunil:** What?

**Vivek:** Papa, he said school will also celebrate "*Nature Awareness Week*". In this, he will display the photographs taken by us, during our Aunanchal Pradesh visit.

**Medha:** Really? It will be quite exciting Papa.

**Vivek:** Yes Medha Di. The school will also stage a playlet on this occasion. We all will be invited. Sir will passes for all of us.

**Sunil:** Certainly we all will go to your school watch the play.

*(Change over music .....fades out)*

### Scene: 6

*(Opening music .....fades out)*

**Place:** Auditorium

*(Audience noise, testing of microphone, Vivek, Medha and their father have the auditorium entered the auditorium)*

**Vivek:** Papa, we have reached .... very much in time.

**Medha:** The show is about to start.....let's sit here, Vivek you come this side.

*(Audience noise.....fades out)*

*(Opening music for play .....fades out)*

**Anchor:** Ladies and gentlemen, I welcome you all in this cultural programme. Today we are staging a play "Let's nurture our future". So enjoy the play.... Happy viewing.

*(Pin drop silence in the auditorium)*

*(With soft background music, one character of the play enters the stage)*

**Male voice – "I am the greatest  
I am strongest  
I own everything  
From ocean to forest  
Guess, Guess, if you can  
No....  
Then let me tell you  
I am the man, I am the man"**

*After little pause*

**"I am the most advanced  
Having most superior brain  
I am the man I am the man"**

**Female voice:** Don't blow your own trumpet  
You will cry on your fate  
Listen, listen o foolish creature  
Listen what says Mother Nature?

**Male Voice:** Come forward, who are you?

**Female voice (Lyric):** "Lord and ladies listen, listen our story  
There is a cunning creature,

**Wiped us from earth, forever,  
And, don't even feel sorry.  
Listen our story, listen our story.  
Who is this who is this,  
Guess, guess if you can.  
No....  
This is the man, this is the man"**

**Male Voice:** *(Lyrics)* come forward, who are you?  
**"I believe in new inventions  
I believe in true creations  
Blaming me without clue  
Who are you, who are you?  
Tell the audience who are you?  
Yes...  
Tell the audience who are you?"**

**Female voice:***(Lyrics)* **"Representing an extinct race,  
So have come without face.  
Shame man, Shame on you.  
Ask me now who were you?"**

**Male voice:** *(Giving impact on each word):* not who were you, ...correct sentence is who are you?

**Female voice:** *I know the English but we are not now in this world*

**Male voice:** what... ? So You, an extinct species, coming from the past... ?

**Female voice:** Yes. Lords and ladies, I am not the only one. There are millions who are like us. So please welcome my other companions who have now a history...only found its books...not on this earth.

*(A voice collage of voices of different animals...fade out)*

**Male voice:** *(frightened tone)* Who are you all...so many in number...hey...hey stop there... stop there only...after all, who are you?

**Male female voice (chorus)** *(Lyric)*

**We used to walk on this earth, like you  
This was once our earth too, like you  
You force us to extinction, so feel yourself sorry  
Lords and ladies listen, you listen our story.  
Tears in eyes and curse on tongue, we tell our story  
You force us to extinction so feel yourself sorry  
Lord and ladies, listen, you listen our story.**

**Male voice:** Oho...you ....Indian Cheetah...you marine animals.... You Sharan leopard *(raised voice)*...stop this drama...you listen...you all are, ....liar

**Female voice:** liar...we...do you say we are the liar and you are innocent...you greedy, dishonest creature.

**Male voice:** See, what she says, many species have become extinct now because of us...the humans

**Female voice:** ...yes and its true...

**Male:** So what, how I am responsible for these extinctions? I too represent an animal species.

**Female voice:** You are the most important factor in our extinction.

**Male:** How?

**Female voice:** you changed the land use, you destroyed our habitat, you destroyed forests, you cleared the land, established industries, created cities....

**Male:** Ok...Ok...what do you want to say...I should live in the forests hunting animals, eating non cooked meat...forever?

**Female voice:** I don't mean to say that.....

**Male voice:** Then what do you think; making progress is a crime, living in cities, establishing an industry is wrong...?

**Female voice:**

No...no...no...but excess of everything is wrong...you over-exploited every natural resource, be it forest, be it ocean or minerals.

**Male:** That is my need.....

**Female voice:**

Your need...your need may be curtailed...there is no limit to luxuries ...you should live with optimum....

**Male:** O.K.....

**Female voice:**

and your population has increased tremendously...you know your growth rate is maximum, among all the living creatures....

**Male:** But how does this affect you?

**Female Voice:**

More you will increase in number, more space you need to survive, more land cover you clear...more habitats you will destroy...

**Male:** So...?

**Female voice:**

Did you ever thought that when you destroy a forest, you not only destroy large plants, you destroy thousand types of smaller plant, shrubs, fungi, bacteria, unicellular organism too.

*(Collage of animal voices..... Fades out)*

**Male:** But it's what I need to survive...

**Female:** really...? Overhunting of animals to the extent of their extinction is your need, you wiped away Indian Cheetah, you reduced Sharan Cheetal almost at the verge of extinction – reduced the number of lions to the extent that they can be counted on fingers.....is this all you need to survive?

**Male:** ....but.....

**Female voice:**

listen man, listen you are just part of nature not over it.....try to live with nature,...otherwise....

**Another husky male voice:**

you will be finished.....you will also be an extinct race.....history books will read “once upon a time there was a race on the earth which plundered the earth, destroyed the planet”.....OK

**Male:** By the way, who are you?

**Second male voice:**

Me.....Your savior.....your life line.....representative of forest...

**Male:** Oh god of forest, so you too.....well what's your problem?

**Second male voice:**

My problem.....it's not my problem man.....it's going to be a big for you..

**Male:** What...?

**Second male voice:**

I am continuously giving.....I have given you everything you needed but your greed has no limits.... you exploited us to the extent of disaster.....forest area is decreasing day by day....

**Male:** but we need timber after all....I do have my needs too.

**Second male voice:**

So your need comes first and our conservation.....your last priority rather no issue at all for you. When we forests will be finished then what will happen to your needs.....you will also finished with us.

**Male:** But we need timber to make our houses..... we need you for our furniture. these are our prime necessities.

**Second male voice:**

Your furniture hurt us least.

**Male:** Then?

**Second male voice:**

The firewood you use, has caused this disaster. For this you sacrificed us most...

**Male:** But what we can do? Should we not cook our food.

**Second male voice:**

I am not saying this....you can cook your food by so many other things.....your agricultural waste...animal dung..and what to say there are many other source of clean energy available to you, use them.

**Male:** ....and furniture....

**Second male voice:**

Furniture, furniture, furniture.....well your need furniture....OK...then it's not necessary to make furniture from wood only. There are many materials from which your furniture can be made.

**Male:** but.....

**Second male voice:**

Please leave us in peace for awhile. Give us some breathing space. Give us time to heal.... to regenerate.....to compensate the loss.....you greedy thankless creature.

**Male:** (Angry tone) Please *Van Devata*.....

**Second male voice:**

Oho so true and straight talks irritate you....do you think how we would have felt when you burn us....it enrages us, it depresses us a lot.

**Male:** but that too.....

**Second male voice:**

(Interrupting) No excuses...don't fool me...you need land for agriculture, you burn us...your *Jhoom Farming*, what is this: you burn us then few crops there and abandon us.....enjoyed the picnic in the jungle, left fire burning....miles of forest is destroyed. You settle your revenge by burning other part's forest...I say what is this... do you have any feeling for us....we who give you life , your bread....

**Male:** butttt....

**Second male voice:**

No ifs and buts....just listen...I warn you...I warn every man on this earth.....stop destroying us or you will be finished (Echo)..... you will be finished..... you will be finished....

*(A little girl enters the stage)*

**Little Girl:** Where are you man, come forward where are you?

**Male:** Here I am... What happened?

**Little Girl:** So it's you who is destroying sea...it animals and plants.... creating nuisance.

**Male:** by the way who are you, my dear Japanese doll...

**Little Girl:** I am not a doll.....don't take me lightly, I am representing whole sea life.

**Male:** So my cute representative from sea what wrong we have done for you.

**Little Girl:** Many...so many.....our sea is dumping ground for you....isn't it?

**Male:** How?

**Little Girl:** Oho, don't you dump your radioactive waste there....and your oil spills, millions of our sea plants are destroyed..... animals are killed.....and when you come for fishing in the seas.....

**Male:** What....So now fishing is a crime.....

**Little Girl:** Yes, the way you do it...it...is...a...crime.

**Male:** why...?

**Little Girl:** You do trawling.....do you how much damage it causes to the seabed? this way you have destroyed miles of coral reefs.

**Male:** What else?

**Little Girl:** You do, what you call blast fishing...cyanide fishing....

**Male:** Yes I do...

**Little Girl:** In your so called blast fishing millions of unwanted sea animals are killed which you don't even need. You leave this so called by:catch rotting over the beaches....why.....do you have any answer?

*(Audio effects of wind blowing, raining, chirping of birds etc to establish personification of nature)*

**Male: You,** who are you...

**Female voice:** I am the one, who is suffering miserably in your hands.

**Male:** What do you mean?

**Female voice:** I am nature

**Male:** Oh Mother Nature, do you also think that I am guilty. Do you think that whatever I have done for progress and welfare of mankind is a crime? I started industrial revolution, made the life easy. Should I be prosecuted for all this development?

**Mother Nature:**

Don't try to pose innocent, don't try to mislead me. You keep on cutting forest. Have you ever thought of planting a single tree? You used petroleum up to the extent that it is about to finish on one hand and polluted the environment heavily on other hand. What type of development is this?

**Male:** (In irritated voice) Then what should I do? Should I start driving bullock cart?

**Mother Nature:**

You have to.....the time will come when you will not be able afford driving a bullock cart.

**Male:** why..?

**Mother Nature:**

Because this petro, these minerals are not going to remain forever. I warn you not to over exploit these resources. You have inherited them so use them with extreme caution and hand these over to next generation.

**Male:** Do you think I am not doing it?

**Mother Nature:**

No otherwise I would not have been here.

**Male:** But....

**Mother Nature:**

You know I never forgive. You will get the punishment for what you have done to me.....rather you have started getting it. Try to live with me otherwise I warn you that your race will be finished from the face of earth.

**Male:** Mother Nature don't curse me....you are my mother and mother shouldn't.....

**Mother Nature:**

(Interrupting) If you call me mother then behave like a son not like a traitor...not like a exploiter. Take care of this mother otherwise you will be finished. (Echo)..... You will be finished..... You will be finished..... You will be finished.

**Male:** (In sad voice) Oh what should I do.....I am really a culprit....I am a damn fool.....will I cause extinction of my own race...Will my race be finished one day.....Oh....Oh.....Oh.

*(Starts weeping bitterly)*

*(Medha and Vivek enter the stage)*

**Medha and Vivek:** (Simultaneously) our human race will remain forever...

**Male:** Who....who are you

**Medha:** I am Medha..

**Vivek:** I am vivek

**Medha and Vivek:**

(Simultaneously) We both are friends of nature

**Medha:** Why we are in trouble?

**Vivek:** Because we disturbed the balance of nature.

**Medha:** Whenever we will cut trees we will plant equal or rather more number of saplings.

**Vivek:** We will use our natural resources sustainably.

**Medha:** We will develop and use alternative clean sources of energy.

**Vivek:** We will control our population, root cause of every problem we are facing now.

**All characters of this play (Except the character who is playing man, Vivek and Medha):**

**Today, tomorrow, next day  
It may happen any day  
We will be finished forever**

**It may happen any day  
How then you will survive  
(Echo)  
How then you will survive  
How then you will survive**

**Medha:**

**Understanding your warning  
We promise, we promise**

**Vivek:**

**No it will never happen  
We conserve, we sustain  
So that you grow again**

**Medha, Vivek and man:**

**We will learn living with you  
We will learn living with you  
We promise, we promise  
(Echo) We promise, we promise..... We promise, we promise**

*(Clapping from audience)*

*(Change over music.....fades out)*

**Anchor:** So Friends in this episode radio serial (Name of the serial) we discussed about vanishing natural resources and sustainable procurement. Situation is getting worse day by day. Something has to be done for this. Then why to wait and who will do it? Is it a duty of governments? No, every one of us should feel himself responsible for vanishing natural resources and its sustainable procurement. In the next episode we will listen about (Recap of next episode). So don't forget to tune your radio, same day same time, till them Namaskar.