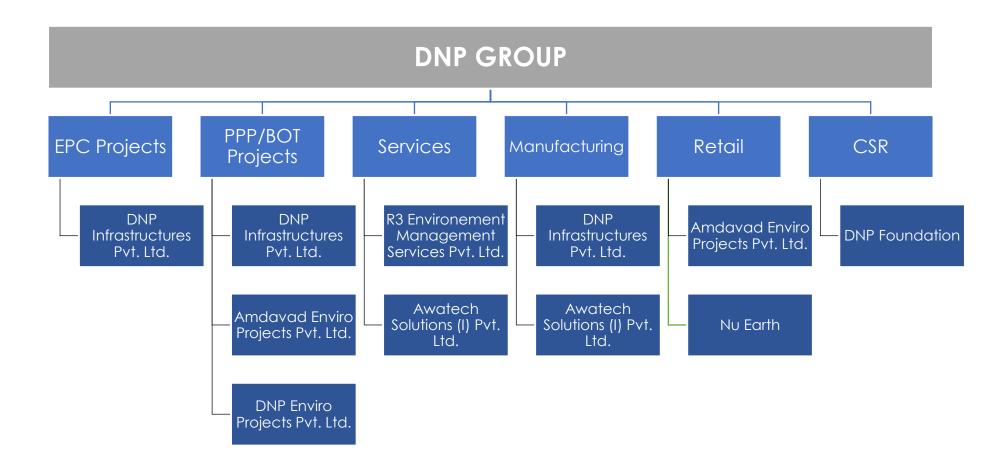


By Amdavad Enviro Projects Pvt. Ltd.



#### About The Group

**DNP Group**, is a major business conglomerate based in Gujarat with presence across multiple sectors such as Municipal Waste Management, Water and Waste Water Treatment, Construction and Demolition Waste Management, Organic Waste Management, Urban Infrastructure Developments, Etc. under its subsidiaries.





## Key Waste Management Projects

300 TPD Construction and Demolition Waste Treatment Plant on PPP basis with Ahmedabad Municipal Corporation at Ahmedabad, Gujarat

12000 m3/day Bio Gas Generation Plant from Sewage Sludge based on Bio Mechanization Process at 180 MLD Sewage Treatment Plant, Ahmedabad, Gujarat

150 TPD MSWM Management Plant in Godhra, Gujarat









#### Resource Recovery from MSW

# Waste Streams

- Organic Waste
- Inorganic Waste
- Inert Waste

■ Resource Recovery occurs when waste in transformed into a resource and consumed instead of being disposed



India Generates: 716 Million MT of C&D a year



## C&D Waste Transportation Tender



#### GOVERNMENT OF GUJARAT WATER RESOURCES DEPTT. On line Nivida No. 13 of 2016-17

Total 5 (Five) works in B-1 tender form are invited by Executive Engineer, Shedhi Irrigation Division, Mission Road, Nadiad-387002. (Details shown as under)

1	Clearing the debries from various Drains of Kathla Taluka under Package 1 (Total Drains 3 Nos.)	al Rs. 14,43,337.20
2	Clearing the debries from various Drains of Kathla Taluka under Package-2 (Total Drains 3 Nos.)	al Rs. 12,09,447.24
3	Clearing the debries from various Drains of Mahudha Taluka under Package-3 (Total Drains 1 No.)	
4	Clearing the debries from various Drains of Thasra Rs. 1,54,600.0 Taluka under Package-4 (Total Drains 2 Nos.)	
5	Clearing the debries from various Drains of Mahudha & Mahemadavad Taluka undo Package-5 (Total Drains 7 Nos.)	
	Schedule of E-Tendering	
1	Up loading of Tender document Online Submission of Tender on www.nprocure.com	Up to 18:00 Hrs. On 14/03/2017
2	Submission of Tender Fee, EMD and other documents by RPAD or Speed Post	From 15/03/2017 to 20/03/2017 up to 16.00 hrs.
3	Ohline Opening of Tender Price Bid @ Office of the Executive Engineer Shedhi Irrigation Division, Nadiad	On 21/03/2017 @ 12.00 hrs.

Total Project Value: Rs. 48,53,358

NAMANI/NADI/570/16-17



## Creating a Closed Loop Cycle

- A circular economy is one that is restorative and regenerative by design, and which aims to keep products, components and materials at their highest utility and value at all times
- The Economic model revolves around creating economic growth and prosperity and at the same time restoring our ecosystem
- Create a closed loop system in the construction industry
- The circular economy concept decouples growth and prosperity from the use of natural resources and ecosystems





## The Ahmedabad Story

Population(2012): 69 lacs

Largest city in Gujarat and 7<sup>th</sup> Largest city in India

1,00,000 Tonnes of C&D waste per year









#### Amdavad Enviro Projects Pvt Ltd



#### THE PROJECT

- DNP Group has operationalized a **300 TPD C&D plant at Ahmedabad** under a PPP model with Ahmedabad Municipal Corporation for 30 years
- AMC has allotted **22 pick-up zones** in the city to collect C&D waste
- The plant processes 10 TPD OF C&D waste provided from Gandhinagar Municipal Corporation
- Spread over an area of 5 acres with an on duty staff of over 35 people
- As Amdavad Enviro Projects we are selling the processed C&D waste products under the brand name "NU Earth"

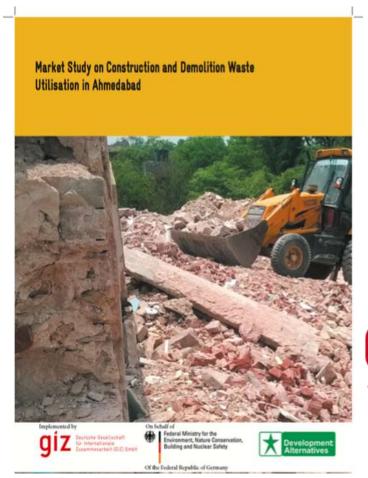




#### India Resource Panel: Model Project for C&D Waste Management

The Project: Fostering Resource Efficiency by Securing Sustainable Resource Utilization and Reuse of Secondary Raw Materials"







On behalf of



of the Federal Republic of Germany





#### Green Building Certification: ISO 14021



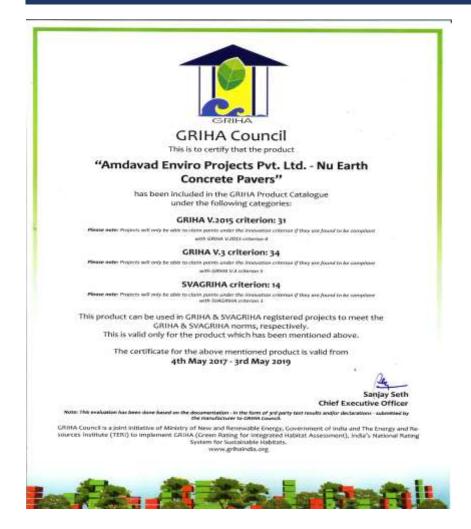








## Griha Catalogue Registration: Green Building









#### IS 383: 2016 Indian Standard Coarse and Fine Aggregate for Concrete

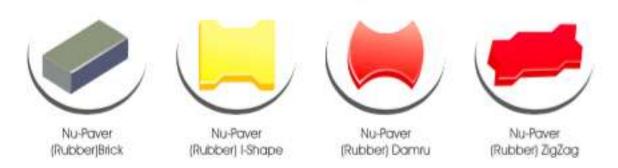
- Scope: This standard covers the requirements for aggregates, crushed or uncrushed, derived from natural sources........ and manufactured aggregates produced from other than natural sources, for use in the production of <u>concrete</u> for normal structural purposes including mass concrete works.
- These <u>manufactured aggregates</u> are of two types namely:
- Recycled Aggregate (RA) It is made from C & D waste which may comprise concrete, brick, tiles, stone, etc.
- Recycled Concrete Aggregate (RCA) It is derived from concrete after requisite processing.
- **BIS IS: 383** is the principal driver, revised in January, 2016, permitting use of recycled aggregates up to 25% in plain concrete, 20% in reinforced concrete of M-25 or lower grade and up to 100% in lean concretes of grade less than M-15.



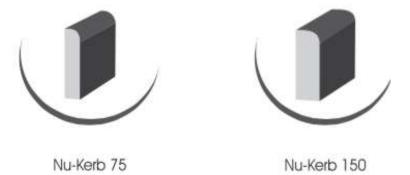
## Nu Earth Product Portfolio- Paving Projects



#### **NuEarth Rubber Mould Paver Blocks**



#### **NuEarth Kerb Blocks**





# Nu Earth Product Portfolio- Paving Projects



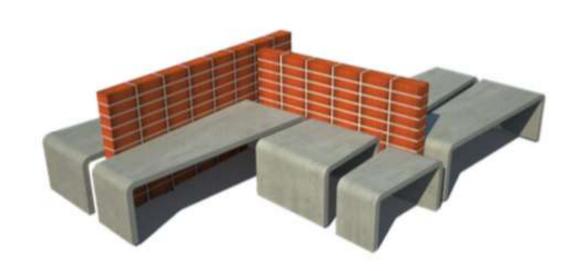


# Nu Earth Product Portfolio- Paving Projects





#### Landscape Development- The Brique Range



#### **BRIQUE MULTITUDE**

DIMENSIONS (L X B X H) (2500 x 1000 x 400) x 2

NO. OF USERS

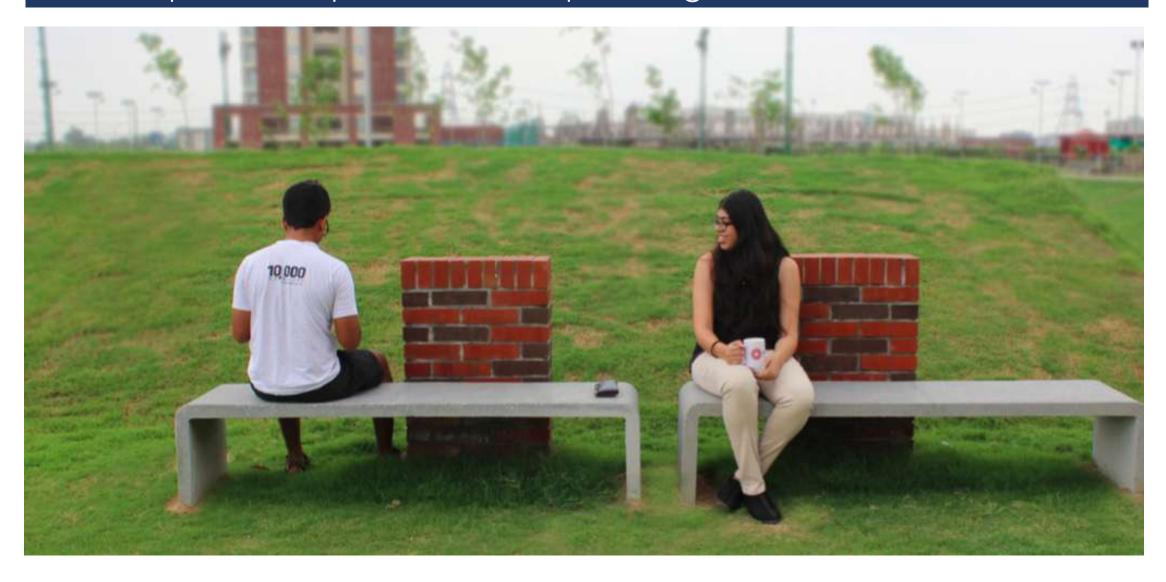
2x 2x

**ARRANGEMENTS** 

Radial, Back to Back



# Landscape Development- The Brique Range





#### Nu Earth Product Portfolio- Construction Material









Manufactured Sand



#### Nu Earth Sanitation Solutions





The motivation for using modular construction generally arises because of over-riding client requirements for speed of construction, improved quality, and for early return of investment

#### Advantages of Nu Earth Modular Eco-Toilets

- Interlocking 'Lego' style design
- Uniformity in design, size, weight and other technical specifications
- Application of green building technology
- Reduced on site labor and machinery requirements
- No on site hot applications (Welding, gas cutting etc.)
- 3 hour build time
- Cost effective to provide, particularly when several new ones are concurrently installed



## Toilets Under Swachh Bharat



#### Key Success Factors for C&D Projects in India

#### AHMRDABAD MUNICIPAL CORPORATION

(NOTH ZONE) MEMORANDUM OF WORK

બીડરે ટેન્ડરમાં તેમના ભરેલ ભાવ આંકડા તથા શબ્દોમાં બન્નેમા ભરવાના રહેશે. શબ્દોમાં ભાવ ભરેલ ન હોય નોંધ તેવા ટેન્ડરો આપો આપ રદ ગણવામાં આવશે. તથા આવેલ અન્ય બીડરો પૈકી સાથી ઓછા આવેલ ભાવના ટેન્ડરની મંજરી માંગવામાં આવશે.

NO	DETAILS	
1	NAME OF WORK	Labour work of Laying / Fixing Paver Block and kerh and carting from Enviro Projects site (AEPPL) to different places, chali and T.P. road in BAPUNAGAR Ward of North Zone.
2	TOTAL ESTIMATE COST	Rs. 4,99,795.00
3	TENDER FEE	Rs. 600.00
4	EARNEST MONEY	Rs. 4,998.00
5	SECURITI DEPOSITE	5 % Of Tender Amount Sanctioned
6	RETANTION MONEY	2 % From Each running bill will be retained and will be released at time of final bill.( For the Tender Amounting More than Rs.10 Lakhs)
7	VALIDITY PERIOD	120 Days
8	TIME LIMIT FOR THE COMPLETION OF THE WORK	Twelve Month (ARC) - (Excluding Monsoon)
9	CONTRACTOR NAME	
10	CONTRACTOR ADDRESS PHONE NO.	
11	CONTRACTOR REGISTRATION NO/ RENEUL YEAR/CLASS	
12	CONTRACTORE BANK NAME	
13	BRANCH ADDRESS	
14	BANK ACCOUNT NUMBER	
15	MICR NUMBER	
15	PAN NO.	

NORTH DELHI MUNICIPAL CORPORATION OFFICE OF THE ENGINEER-IN-CHIEF 6TH FLOOR : E-WING : DR. S.P.M. CIVIC CENTRE MINTO ROAD : NEW DELHI - 02

Dated: 04.05.20

No DIE ing / Nome 2017/ 35

#### OFFICE ORDER

Subject: Levy of C&D waste generation / malba generation charges on sanction of building plan or unauthorized construction notice by the Jr. Engineer.

Construction & Demolition waste Rules 2016 have been recently notified by the Ministry of Environment, Govt. of India and made applicable to all concerned. Accordingly, every waste generator has to pay relevant charges for collection, transportation, processing and disposal as notified by the concerned authorities.

In compliance of provisions of the foresaid Act, Corporation vide its Resolution No. 674 dated 14.03.2017 has resolved that at the time of sanction of building plan, charges for C&D waste @ Rs. 215/- per Sq.mtr. of plot size, irrespective of new construction or re-construction or addition/alteration, shall be levied for the current financial year and an increase of 10% after every two years. The above charges are inclusive of lifting from designated dumping ground and its subsequent handling. Further, payment of these charges will not absolve the owner / occupier to dump the malba / C&D Waste to the already designated dumping locations/ sites.

In case of any unauthorized construction noticed by the Zonal Building Deptt., charges @ 1.5 times of these charges shall be recovered from the owner/occupier.

A separate Escrow account has to be maintained by the Finance Deptt. for such charges.

The aforesaid procedure / guidelines shall be adhered by all concerned.

Engineer-in-Chief North D.M.C.

#### stribution:

- 1. All Chief Engineers- North DMC
- 2. All Zonal Dy. Commissioner- North DMC
- 3. All SEs- North DMC
- S.E.(Bldg.)HO/SDMC
- DCA (HQ)
- All DCA of Zones



#### The Indore EPC Success Story

Our Company has received WO from Indore Smart City Development Ltd to set up C&D Waste Management Plant

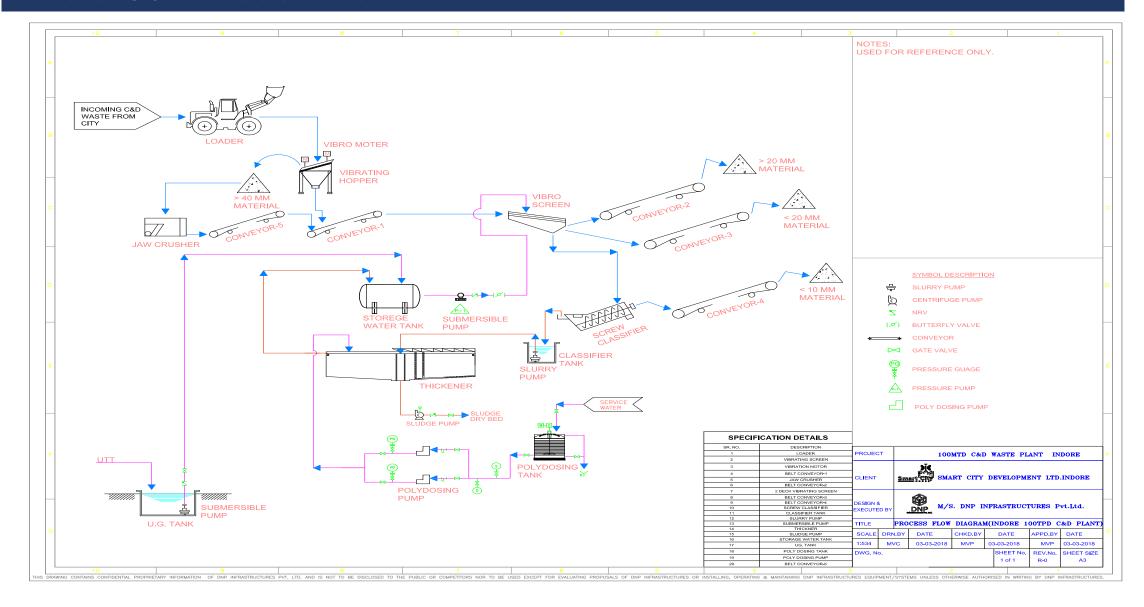
- Population(2012): 20 lacs
- No. 1 City in Swachh Bharat Survey
- Largest City in Madhya Pradesh
- 30,000 Tonnes of C&D waste per year

- DNP to supply and install 100 TPD C&D plant at Indore with Indore Municipal Corporation and Indore Smart City Development Limited
- IMC has allotted 4 acres of land to DNP under Smart City Development Scheme

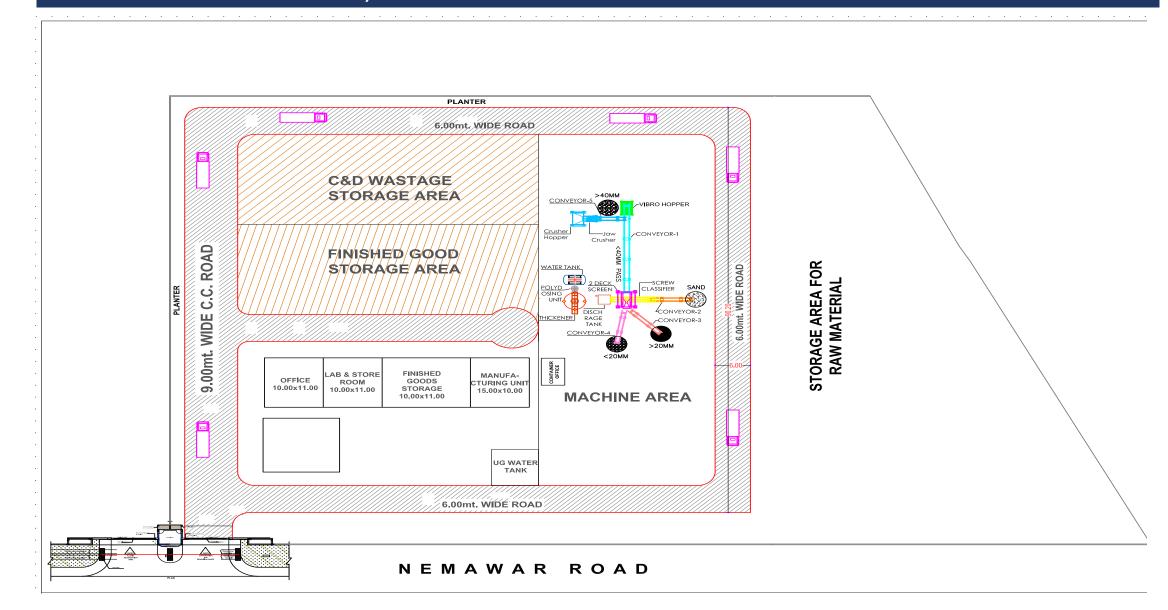




#### Indore C&D Process Flow



## Indore C&D Plant Layout





#### Our Clientele

































# EMPOWERNG TECHNOLOGY FOR BETTERMENT THANK YOU.

#### **REGISTERED OFFICE**

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