Solid Waste Management - The college has installed a Green Waste Processor (GWR) on April 18, 2019. The machinery recycles organic reject into solid mass and liquid compost. This compost is utilized for green area of the campus.

Liquid Waste Management - Our institution has installed a 150 KLD sewage treatment plant (STP) based on Membrane Bio Reactor (MBR) Technology. The filtered water is used for gardening and flushing purpose.

Waste Recycling System - Our college has hired the services of JaagrutiTM Waste Paper Recycling Services for recycling of paper. The institution picks up the waste from our facility and transports it to Recycling Mills which treats the paper using environment-friendly practices. The paper thus recycled is given to various institutions for office use.

Hazardous Chemicals and Radioactive Waste Management - In all science departments, hazardous chemicals are handled with utmost care under the supervision of technical assistants and faculty. Radioactive materials are not used at all in the undergraduate labs. From time to time, protocols and guidelines issued by the government are followed in the college.

DTH/2019/20

11/04/2019

TO WHOMSOEVER IT MAY CONCERN

Dear Sir/Ma'am,

This refers to the Composting Machines supplied to Deen Dayal Updhayaya College, Dwarka for the capacity of 300 kg per day for processing Mix Organic Waste into Compost.

On the instructions by Clean India Ventures, 4/24 A Asaf Ali Road, New Delhi, we had inspected the Composter Machine as per the capacity mentioned above.

We would like to state the following findings:

Machines are of 300 kg per day capacity:

This was done by putting by weighing organic waste before putting it into the machine.

- Entire Operation of the Machine is fully automatic, noise and Odor-free.
- Heating arrangement is a part of composter machine.
- Machine does not discharge Leachate Water, Methane & Other harmful Gases. JOISTS, DVacka, New Delhit 18

2 Motors of 1 HP and 2 HP of ABB Brand

Based on our findings, Machine is according to the specifications given by the client.

Regards

Authorized Signatory

Delhi Test House

Internal Contract Deen Dayal Upacay spa Collage University of Doihi

Ahn ecapad | Bangalore | Bikaniir

now | Mumbar | Pan put | Sissa



IVL/DDU/2019/02

08/05/2018

The Principal Deen Dayal Upadhyaya College Dwarka Sector-3, New Delhi-110078

Sub: Procurement & Installation of Waste Management Machine and accessories along with Civil/Electrical work

Dear Madam,

This refers to your Work Order for the Work of Procurement & Installation of Waste Management Machine and accessories along with Civil/Electrical work at Deen Dayal Upadhyaya College, Dwarka vide Order No. DDUC/Compose Plant/2019/01/1580 dated 19/02/2019.

We would like to inform you that we have deputed one operator for the Operation of the Machine from 03rd May, 2019 i.e. Friday and have also provided the accessories like Weighing Machine and Trolleys with the machine.

This is for your kind information and records.

Regards,

Abhishel Gupta

Abhishek Gupta Director 9871692007

Deephely 815 Lon, Garde

Deen Cayal Upachyaya Cullege

University of Delhi

Officiating Principal Deen Dayal Upadhyaya College (University of Delhi)

Sector-3, Dwarka, New Delhi-78

CLEAN INDIA VENTURES







DATE:18/04/2019

mamoipal,

dayal upadhyaya college

Sector 3 ,dwarka

New delhi 110078

UB: supply and installation of green waste reprocesser machine at DDUC, Delhi.

Dear sir,

This refers to your purchase order no DDUC/compost plant/2019/01/1580 dated 19/02/2019 for the supply ,installation of green waste reprocessor at deen dayal upadhyaya college ,delhi along with civil and electrical work.

Clean india ventures has successfully supply and completed the installation and commissioning of G.W.R machine along with civil and electrical work at the above said premises.

We would also provide the concerned staff with the toolkit – 1 nos, carats 2 nos as the accessories of machine .sign boards and direction boards for machines have also been sent with the machine.

You are requested to sign this letter as acceptance of our work.

Signature with stamp

Name & designation

For :Deen dayal upadhyaya college

Officiating Principal

Deen Dayal Upadhyaya Colleg-

(University of Delhi)

Sector-3, Dwarka, New Delhi-7

sanjeeb gupta

date:

for: CLEAN INDIA VENTURES P .LTD

Internal Quality and Special (IQAC)

Decar Dayar Upgany aya College

University of Dolhi

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Ingha

CLEAN INDIA VENTURES PVT. LTD.



Tax Invoice

Manufacturers:

GREEN WASTE EPROCESSO RNAL FOR



/INDIA VENTURES PVT. LTD. - 2018-19 (DL)

A.B HOUSE ASAF ALI ROAD SELHI - 110002 110002, India

IN/UIN: 07AAGCC0350E2Z6 Name: Delhi, Code: 07 U74140DL2015PTC280509

EEN DAYAL UPADHYAYA COLLEGE SECTOR - 3 DEEN DAYAL UPADHYAYA COLLEGE, DWARKA SOUTH WEST DELHI - 110078, Deihi -

110078, India GSTIN/UIN State Name

07AAALD0262B1ZW

Delhi, Code: 07

Place of Supply Delhi Invoice No.

GST/GWR/19-20/02

Delivery Note

Dated

16-Apr-2019

Mode/Terms of Payment

IMMEDIATE

Supplier's Ref.

Other Reference(s)

GST/GWR/19-20/02

Buyer's Order No.

DDUC/COMPOSE PLANT/2019/01/1580

Despatch Document No

Dated

19-Feb-2019

Delivery Note Date

Despatched through

Destination

BY TRUCK

Bill of Lading/LR-RR No.

Motor Vehicle No.

DL01LY5905

Terms of Delivery "GWR MACHINE"

Particulars	HSN/SAC	GST Rate	Rate	per	Amount
Green Waste Reprocessor Unit CHARGES TOWARDS SALE OF GREEN WASTE REPROCESSING SYSTEM ORGANIC WASTE AT DDU CAMPUS, DWARKA INPUT: ORGANIC WASTE QTY: 01 NOS. CAPACITY: 300 KGS MINIMUM PER DAY Platform Site Preparion & Construction- Interstate SGST @ 6%		De	Iniversit) ector-3,	al Upat	my aya oon s
BALANCE R/OFF Total				0:70	(-)1.00 ₹ 12,56,000.00
The second secon	b	-			E. & O.E.

Amount Chargeable (in words)

INP Twelve Lakh Fifty Six Thousand Only

HSN/SAC	Taxable	Cen	tral Tax	Sta	te Tax	Total
11014/0/10	Value	Rate	Amount	Rate	Amount	Tax Amount
8479	11.21.429.00	6%	67,286.00	6%	67,286.00	1,34,572.00
Tota	1 11,21,429.00		67,286.00		67,286.00	1,34,572.00

Tax Amount (in words): INR One Lakh Thirty Four Thousand Five Hundred Seventy Two Only

Company's PAN

Declaration

Internal Quality Deen Day and

Less:

AAGCC0350E

In case of any dispute or difference arising out of the present

invoice, the same shall be referred to sole arbitrator so appointed by the Managing Director of M/s Clean India Ventures Pvt. Ltd. in accordance with Arbitration and

Conciliation Act, 1996, whose decision shall be final and binding upon parties.

Company's Bank Details : BANK OF INDIA Bank Name

A/c No.

603020110000431

Branch & IFS Code : BAHADURSHAH ZAFFAR MARG NEW DELHI 1 2000 2 8 KIDODO 60 30

for CLEAN INDIA VENTURES PVT. LTD/- 2918-19 (DL)

Luliege

Customer's Seal and Signature

This is a Computer Generated Invoid

lised Signatory

University of Deini

CLEAN INDIA VENTURES PVT. LTD.

4/24A, Asaf Ali Road, Near Delhi Gate, New Delhi-110 002, Ph: +91-9910332007, 011-45379999 Email: info@cleanindiatech.com, Website: www.cleanindiatech.com CIN U74140DL2015PTC280509

DEEN DAYAL UPADHYAYA COLLEGE (University of Delhi) Sector-3, Dwarka, New Delhi-110078

OPEN TENDER DOCUMENT

Ref No: Notice Inviting Tender No.: DDUC/Compost Plant/2019/01 Dated: 07.01.2019

Subject: Tender for Procurement & Installation of "Waste Management Machine and accessories" along with Civil/Electrical Work for Deen Dayal Upadhyaya College, Sector-3, Dwarka, New Delhi-110078

CONTENTS:

	P	Section
S.No.	Description of contents	1
1.	List of Items and their Technical Specification	11
2.	Fligibility Criteria	- 111
3.	Information and Instruction for Bidders	IV
4.	Instructions for Online Bid Submission	
5.	Terms & Conditions	VI
6.	Turnover and Income Tax Return, Belling Turnover and Income Tax Return Turnov	VII
7.	(Annexure-IV)	VIII
8.	Tender Acceptance Letter	IX
8.	Warranty Compliance Statement	

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Internal Quality Names Cell (IQAC) Deen Deyar Unadhyaya College

University of Deini

Officiating Principal Deen Dayal Upadhyaya College (University of Delhi) Sector-3, Dwarka, New Delhi-78

SECTION-I

3.	Inbuilt Shredder	SS with 7 HP motor or more.		
16.	Bearing	SKF, ARB or Equivalent		
17.	Switchgear	L & T or Equivalent		
18.	Preheating of Inlet air	To be provided in machine		
19.	Movement of waste to outlet	Unload feature to shift waste from machine to outlet door		
20.	Electrical Components	L&T, Siemens, ABB or Equivalent		
21.	Gearbox	Ashok Leyland or Equivalent		
22.	Inlet air opening	At bottom of machine for fresh air		

Comprehensive Warranty of Three Year on Waste Management Machine.

2. Civil Work -

- (i) Construction of Platform & Shed of size needed for the Installation of GWR Unit at the site (metal fabrication work, door with lock, wire mesh with six feet height for ventilation & Roof made up of Aluminum sheet/ fiber sheet).
- (ii) Overhead tank & Pit, if needed.
- (iii) Laying of the internal drain line to the pit, if needed.
- (iv) Water supply with/without pump up to overhead tank and from overhead tank up to the machine area and washing area and piping with stop valve fittings, if needed.
- (v) Any other work essentially needed for the proper functioning of the plant which is not specified above should also be included and specified in the project details.

3. Electricity Work-

1. Electrical wiring of the input of the composting system up to the output of the Starter Box(s).

2. Lights, fans, and exhaust fan, if needed.

4. Accessories

inator Funce Cell (IQAC)) Da

Officiating Principal
Deen Dayal Upadhyaya College

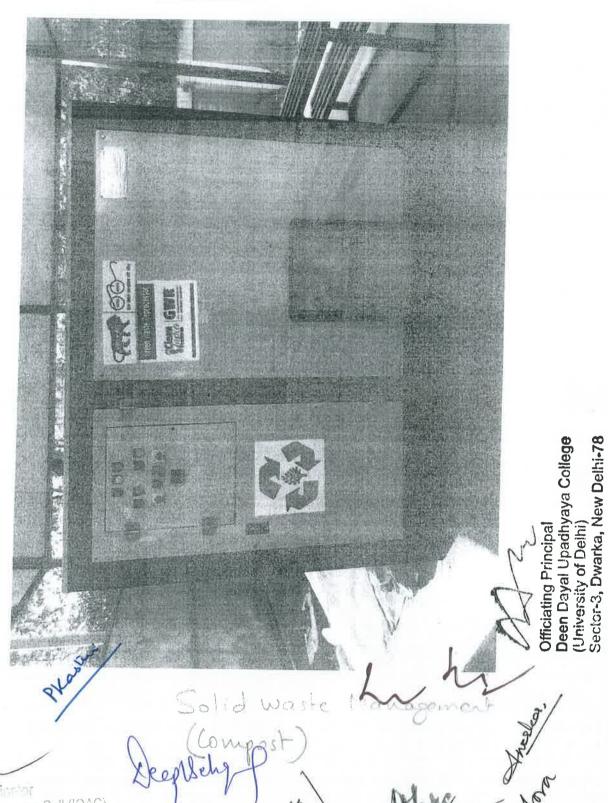
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Page **3** of **24**

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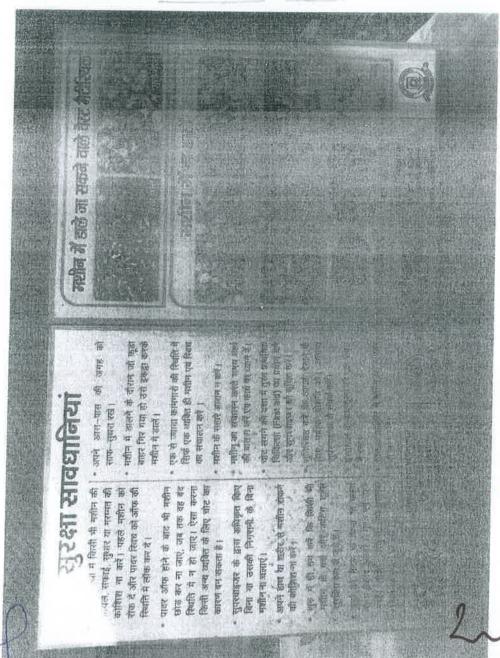
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Officiating Principal
Deen Dayal Upadhyaya College
(University of Delhi)
Sector-3, Dwarka, New Delhi-78

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Internal Quality Assistance Cell (IQAC) Deen Dayai Ubrony zyzi Gollege University of Delhi

Deen Dayal Upadhysya College (University of Delhi) Sector-3, Dwarka, New Delhi-78 Priciating Principal

Ingha Kela Jagar

Management Waste

Sewage Treatment Plant

We began the new session of 2016-17 at our new campus at Dwarka, The campus This building has most of the features of has been planned as per international national/international collaborations. Treatment Plant(STP) installled. The treated water is used for gardening a green building. We have Sewage standards with focus on purposes.

BE

To

Sector-3, Dwarks, New Delhi-78 Dean Dayai Upsdhyaya College

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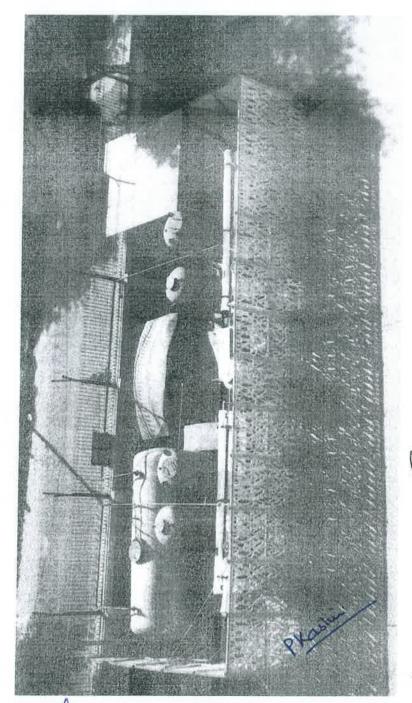
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Officiating Principal Deen Dayal Upadhyaya Collega (University of Delhi) Sector-3, Dwarka, New Delhi-78

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STP. (Sewage Treatment Plant)

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Deen Dayal Upadhyaya College

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SCHEDULE OF QUANITITY

Name of work:- EOR to Deen Dayal Updhayaya College Dwarka Sec-3, Under Sub Division- III of SWBMDM121(N). New Delhi during 2019-20 (SH:- Operation and maintenance of STP Plant at Deen Dayal

S.No. Description Qty Unit Operation & routine maintenance of STP along with Rate Amount Code accessories i/c control and console panels, pumps etc complete as per terms & conditions attached including Sundays & Holidays etc as per minimum staff required. a) Graduate Engineer -1No once in a month b) STP operator -1Nos one in general shift Supplying of bio carrier in the existing MBR reactor 2 12.00 month 27500.00 330000.00 bio carrier made of curly fiber Thermo-Polypropylene Compounds (TPPC) or Thermo-polyethylene Compounds (TPEC) that are formed into three layers of complete with hangers of minimum 1230mm length and 25 mm dia. Make: Siemens/KC Enviro/Doshion Supplying of End caps of membrane pressure vessels. 20000.00 mm 220000.00 11.00 Make: Siemens/KC Enviro/Doshion Supplying of SMBS for on line charging before 4 4.00 29000.00 116000.00 membrane feed. Supplying of ACM (Activated carbon media) 900-5 200.00 litre 78.00 15600.00 1000 IV for the ACF filter incl. dismantling of old ACF media and dispose off the media away from the Recharging of multi grade filter with media of size not 6 200.00 kg 195.00 39000.00 more than 10mm. 7 400.00 Supplying of bacteria kg 40.00 inoculants 16000.00 bectoklean lactobacillus 105< and saccharomyces 103 stabilizing the reactor by maintaining the level of dissolved oxygen, Bod5 and MLSS values as desired by Pollution norms. Make: watertech/nadambh/kc enviro 200:00 litre 2551.00 510200.00 8 Testing of STP outlet effluent from DPCC. Total 4.00 sample 14500.00 58000.00 Add 1% Contingencies 1304800.00 Total 13048.00 Add 1% cess 1317848.00 Total 13178.48 Say 1331026.48 1331000.00

Sub-Division-III, SWBMD, PWD(GNCTD) District Court, Dwarka, New Delhi-75

05/02/13 ASSISTANT ENGINEER

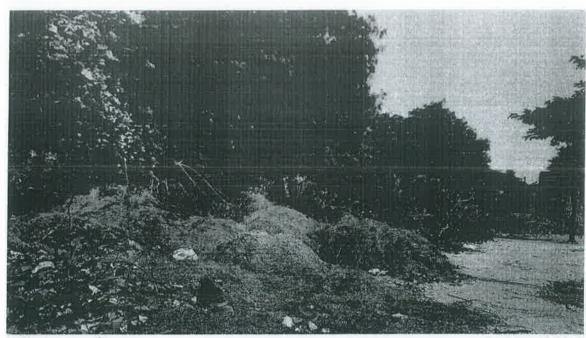
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Asstt./Engineer (P) C.B.M. Div-SW (M121)

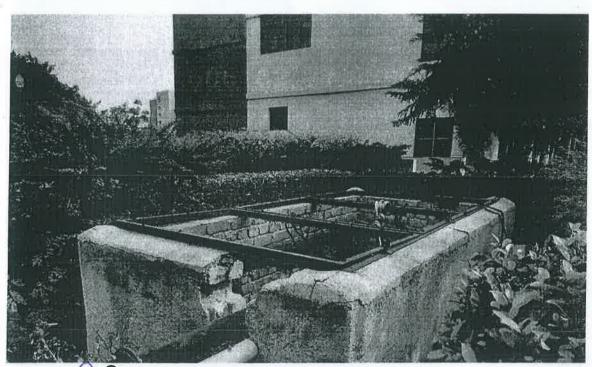
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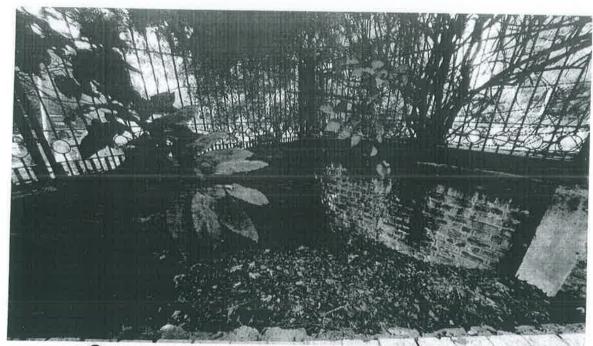
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Deen Dayal Upadhyaya College, Dwarka Sector-3, New Delhi - 110078 28.605806, 77.036856

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JAAGRUTI™ WASTE PAPER RECYCLING SERVICES

Works Address: F-3, Shopping Centre, Mansarover Garden, New Delhi-110015 Tel: +91-98101 91625, 9818 144 244 E-mail: paper@we-recycle.org

Website: www.we-recycle.org
Corporate Identification Number (CIN): U74140DL2010PTC203497

Waste Paper Assessment Report Dated: 20/05/2016

Name of Client Organisation	Deen Dayal Upadhyaya College
Collection Address	Mot Nagar, Delhi
Coordinator's name	Dr. Sachin Mittal
Telephone Number	·
E-mail address	15.
Date/s of pickup	17/5/2016
Gross weight of Waste Paper (as per 'Waste Paper Pickup Data Sheet')	896.00 kgs kgs

		Client may choose either or combination of following 100% recycled paper products				
Waste Paper Grade	Net Weight (in kgs)	A4 paper reams (1 Ream = 500 sheets; 75 GSM)	Small Spiral Notepad (7.25 inches x 4.75 inches; 80 pages; 70 GSM)	Large Spiral Notepad (9.75 inches x 7.25 inches; 80 pages; 70 GSM)		
Office Grade paper	563.26	44	558	327		
Magazine and Newspaper Grade paper	90.18	6	75	46		
Redundant Non- recyclable non- paper waste (Board)	243.56					
TOTAL	896.00					

Waste Paper Assessment Report*

^{*} Note: This report will be emailed to the client.

Works Address: F-3, Shopping Centre-I, Mansarover Garden, New Delhi-110015 **E-mail:** paper@we-recycle.org

Tel: +91-98 18 144244, +91-98101 91625

Website: www.we-recycle.org

Dated: 10th September 2014

Kind attention:

The Principal
Deen Dayal Upadhyaya College
University of Delhi
Karampura, Delhi-110015

Proposal for 'Deen Dayal Upadhyaya College, University of Delhi' on associating with JAAGRUTI™ Waste Paper Recycling Services

Background: In an effort to optimally help institutions manage and segregate their paper waste and recycle it, JAAGRUTI™ Waste Paper Recycling Services has started facilitating paper recycling initiatives for interested institutions and organisations beginning August 2011 and, we today work with around 100 well-respected institutions and organisations across Delhi and NCR; which include Diplomatic Establishments like U.S. Embassy, Central Government Institutions like National Crime Record Bureau and National Informatics Centre, PSU's like Indian Oil Corporation Limited, Public-Private Entities like Delhi International Airport Limited, Hospitals, Corporate Offices, Publishing Houses, Manufacturing Firms and Academic Institutions, including Colleges under the University of Delhi, namely Indraprastha College for Women, St. Stephens College, Ramjas College, Faculty of Management Studies etc.

Reference: Telephonic Conversation with Dr. Charu Kalra, Associate Professor, Department of Botany at/on behalf of Deen Dayal Upadhyaya College on 9th September 2014 about associating under *our* Waste Paper Management and Recycling initiative.

Understanding the relevance of recycling your institution's waste paper: *Why recycle waste paper?

Paper is a recoverable and recyclable resource which when reprocessed in a paper recycling mill produces 'print and write quality' paper. In India, annual paper consumption is about 13-14 Million Metric Tonnes, but recovery of waste paper is low ~20-25%. This is because of lack of efficient paper waste segregation practices (adopted by individuals and institutions alike) at the source level, which results in it being contaminated as it gets mixed with other waste streams. Since, contaminated and soiled waste paper can't be recycled; it ends up being dumped at landfill sites. In addition to the above, alternate use of waste paper in wrapping and packaging industry makes it unfit for recycling.

It is important to note that:

• On average, every office person sends 3kgs of paper waste to a landfill every month.

 As paper decomposes in a landfill, it gives off Methane which is approximately 23 times more potent Greenhouse Gas in comparison to Carbon Dioxide.

Waste Paper, which can be segregated for recycling by 'Deen Dayal Upadhyaya College' and given to us for recycling, would broadly include the following:

Office Grade

Answer Sheets/Notepads/Notebooks/Ruled Writing paper

Printed/Photocopied Documents on A4 and A3 Sheets

Letterheads, White Envelopes

Page 1

Confidential Document for Deen Dayal Upadhyaya College_10th September 2014

Works Address: F-3, Shopping Centre-I, Mansarover Garden, New Delhi-110015 E-mail: paper@we-recycle.org Tel: +91-98 18 144244, +91-98101 91625

Website: www.we-recycle.org

Magazine Grade

- Magazines
- Journals
- **Brochures and Catalogues**

Newspaper Grade

- Old Newspapers
- Shredded Office Grade Paper
- Old Records and End-of-life Archives

*Please note that we do not take cartons/cardboard, tissue paper, paper cups or coloured envelopes/chart paper for recycling.

Model of association:

Now, to share and explain to you as to how we at JAAGRUTI™ Waste Paper Recycling Services would work with Deen Dayal Upadhyaya College, if you chose to associate with us under this initiative.

Please note that this association is entirely non-monetary in nature and there are no costs that your institution would have to incur in the whole process of getting its paper waste recycled through JAAGRUTI™ Waste Paper Recycling Services.

- We at JAAGRUTI™ Waste Paper Recycling Services can get the waste paper material picked up from your institution on a monthly/regular basis at no extra costs. The pick up of waste paper from your institution can be mutually decided upon depending on the quantities of waste paper generated by your institution.
- This collected waste paper will be brought to our facility for proper segregation and sorting at our premises.
- Further to the same it will be transported for recycling to the Paper Recycling Mills, we at JAAGRUTI™ Waste Paper Recycling Services have forged strategic tie-ups with for this purpose. These Paper Recycling Mills have been evaluated by our team and we are assured that in there the waste paper is recycled with minimal consumption of water and electricity (as compared to paper produced from wood/virgin pulp) and bleached using environment-friendly bleaching processes.
- Shredding/Cutting of Confidential Documents: We will assure and undertake, whenever requested, safe destruction of your institution's confidential documents at our premises. We will be using a 'Heavy-duty Document Shredder, which produces cross cut shreds of your confidential documents, which would conform to the most-stringent security norms. (Each A4 Sheet will be shred into 200+ pieces). Alternatively, we have cutting machines to cut old bound records/books/archival records into 2-3 pieces.
- Give-back of Recycled Paper Products: In lieu of the waste paper collected from your institution, we at JAAGRUTI™ Waste Paper Recycling Services will give you paper products like note spiral notepads of different sizes made of recycled paper and board and A4 Sheets (100% Recycled and ECF-Elemental Chlorine Free), as per the table listed on Page 3. We can also offer client-specific customised paper stationery, after suitable discussions and understanding your office's/institution's requirements.

Confidential Document for Deen Dayal Upadhyaya College 10th September 2014

Works Address: F-3, Shopping Centre-I, Mansarover Garden, New Delhi-110015 E-mail: paper@we-recycle.org Tel: +91-98 18 144244, +91-98101 91625

Website: www.we-recycle.org

Our 'intent' of association:

Our intent in associating with institutions like yours to help them manage their paper waste, get it recycled and then give back products made of the same, follows the thought that 'when people in their daily institutional/work routines or otherwise start putting in this little extra effort and thought to manage their waste (in this case, paper to begin with), they become far more responsible in their consumption patterns as well, thus helping minimise wastage of precious natural resources'.

Either/Combination of Quantities of *Plain/non-customised** Recycled Paper Products that 'Deen Dayal Upadhyaya College' may choose from in-lieu of waste paper collected from your premises:

	1 tonne of Office Grade	1 tonne of Magazine and Newspaper Grade (includes Shredded Office Grade Paper)
Small Spiral Notepad (7.25 inches x 4.75 inches; 80 pages; 70 GSM)	1100 Nos.	910 Nos.
Large Spiral Notepad (9.75 inches x 7.25 inches; 80 pages; 70 GSM)	650 Nos.	540 Nos.
Reams of A4 Paper (1 Ream = 500 Sheets; 75 GSM)	81 Reams	73 Reams

^{*}Customising of Notepads can be done with single/two colour printing on the Front Cover of the Notepads. This will be done free of cost. 1 tonne (1000kgs) is a reference figure for ease of calculation.

Please do let us know in case you have any further queries on any of the points stated in this proposal.

We look forward to a positive association to follow.

On behalf of JAAGRUTI™ Waste Paper Recycling Services

Vasudha Mehta and Vivek Mehta Co-founders and Directors Helpline: +91-9818 144 244, +91- 98101 91625

E-mail: paper@we-recycle.org

Drept In

Rainwater Harvesting

College is aware of the importance of potable water in the development of the human civilization and its limited availability to human beings. Depleting water resources, across the globe in general and in India particular, is a matter of great concern and begs immediate measures on the part of society.

Our college acknowledges this fact and has taken concerted steps. College has four functional Rain Water Harvesting (RWH) pits in its premises with the following dimensions $5.23m(L) \times 3.0m(B) \times 3.5m(D)$ and has received Administrative and Expenditure Sanction of Rs 10,41,300/- (Rs. Ten Lakhs Forty-One Thousand Three Hundred) from Dte. of Higher Education, GNCT of Delhi for construction of two more RWH pits in the premises. Total area considered for the RWH is 30910 sqm.

College takes care that wastewater/contaminated water does not enter the storm water drain and recharge structures and contaminate ground water. Proper care and precautions are taken for maintaining the rain water harvesting system on regular basis. College gets it RWH inspected and documented by Publics Work Department, Government of NCT Delhi before and after every monsoon season.