

राजस्थान सरकार
ग्रामीण विकास एवं पंचायती राज विभाग
(ग्रामीण विकास, अनुभाग-5)

एफ. 27(316) ग्राविवि/ग्रुप-5/पीएमएवाई-जी/अभि./तक. अनु. समिति/2017-18

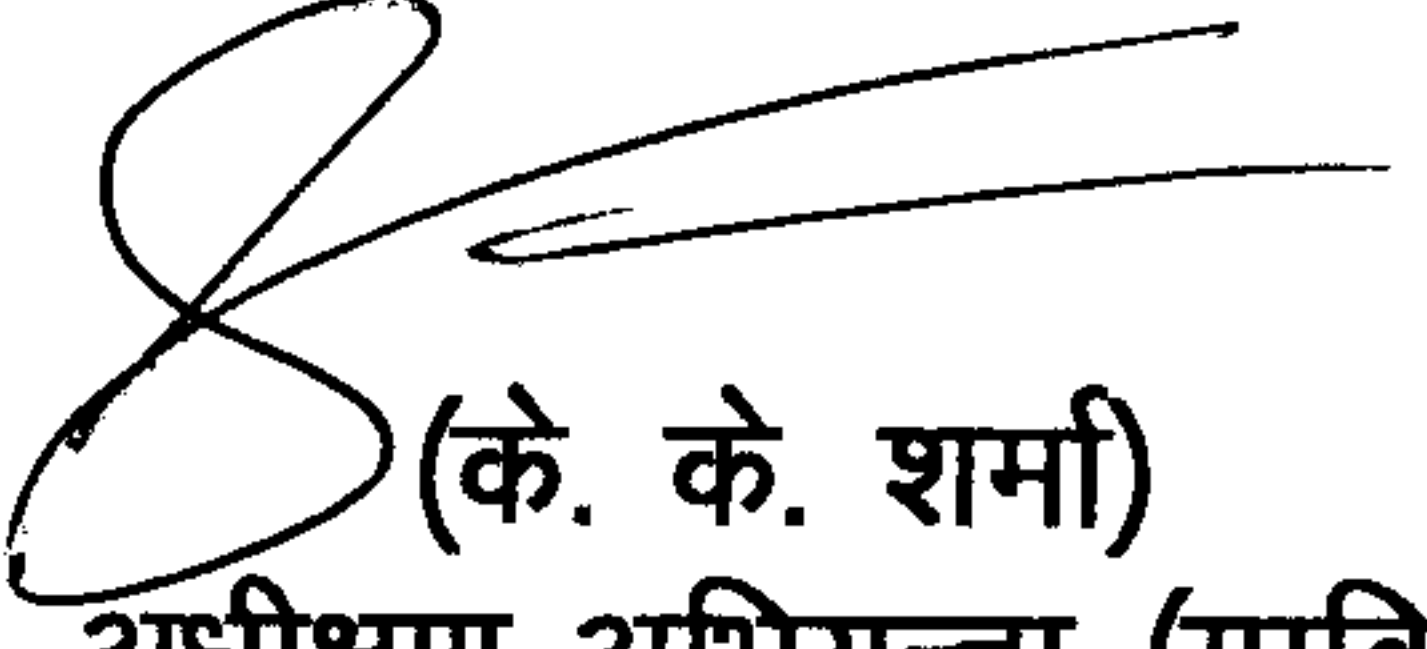
जयपुर, दि 09 अक्टूबर, 2017

—:: बैठक कार्यवाही विवरण ::—

विभागीय तकनीकी अनुमोदन समिति की बैठक दिनांक 09.10.2017 को आहुत की गई, जिसमें भाग लेने वाले अधिकारियों का विवरण परिशिष्ट-1 पर संलग्न है। बैठक में महत्वपूर्ण बिन्दुओं पर विस्तार चर्चा की गई। चर्चा के दौरान मुख्य एजेण्डा बिन्दु एवं लिये गये निर्णय/निर्देश निम्नानुसार है :-

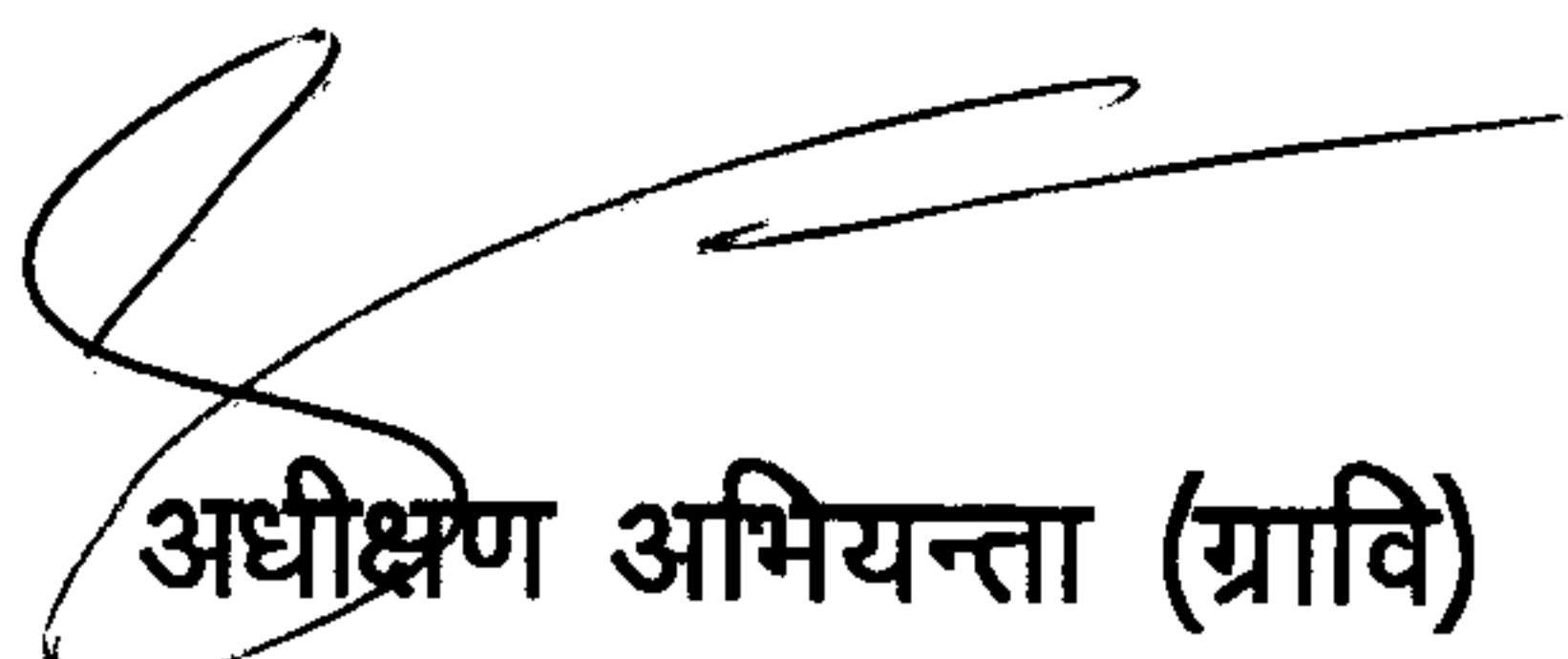
निदेशक, स्वच्छ भारत मिशन (ग्रामीण), पंचायती राज विभाग से प्राप्त स्वच्छ भारत मिशन (ग्रामीण) घटक से मुख्यमंत्री स्वच्छ ग्राम योजना अंतर्गत ठोस एवं तरल कचरा प्रबन्धन मद से डस्ट बिन, पुश कार्ट एवं ट्राई साइकिल के मानक निर्धारण के संदर्भ में औजार एवं उपकरण के तय किये गये मानक आदि के प्राप्त प्रारूप पर विस्तृत चर्चा उपरान्त PUBLIC PLACE, ROADSIDE (सार्वजनिक स्थल) LITTER BINS (Effective capacity 100 litres), HAND CART/PUSH CART, Tricycle (Durable to Carry 6 Bins of 30 litres each) and Collective Bins (Effective capacity 30 litres) के संलग्न विवरण अनुसार मापदण्ड (Specifications) अनुमोदित किये गये।

अन्त में उक्त निर्णयों को प्रशासनिक अनुमोदन समिति के समक्ष उचित निर्णयार्थ प्रस्तुत करने की अनुशंसा के साथ बैठक सधन्यवाद समाप्त हुई।


(के. के. शर्मा)
अधीक्षण अभियन्ता (ग्रावि)

प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:-

- 1 विशिष्ट सचिव, माननीय मंत्री महोदय, ग्रावि एवं पंचायती राजस्थान, जयपुर।
- 2 विशिष्ट सचिव, माननीय राज्य मंत्री महोदय, ग्रावि एवं पंचायती राजस्थान, जयपुर।
- 3 निजी सचिव, अतिरिक्त मुख्य सचिव, ग्रावि एवं पंचायती राज।
- 4 निजी सचिव, शासन सचिव, ग्रामीण विकास विभाग एवं आयुक्त महात्मा गांधी नरेगा।
- 5 निजी सचिव, शासन सचिव एवं आयुक्त, पंचायती राज विभाग।
- 6 निजी सचिव, निदेशक, ज.ग्र.वि. एवं भू-संरक्षण. विभाग।
- 7 जिला कलेक्टर, समस्त, राजस्थान।
- 8 अति० निदेशक, ज.ग्र.वि. एवं भू-संरक्षण. विभाग।
- 9 अधीक्षण अभियन्ता, ग्रामीण विकास विभाग।
- 10 अधीक्षण अभियन्ता (ईजीएस), महात्मा गाँधी नरेगा।
- 11 अधीक्षण अभियन्ता (प्रो०), पंचायती राज विभाग।
- 12 मुख्य कार्यकारी अधिकारी, जिला परिषद, समस्त, राजस्थान।
- 13 अधिशाषी अभियन्ता (टीसी), पंचायती राज विभाग, जयपुर।
- 14 अधिशाषी अभियन्ता (अभि./ईजीएस) जिला परिषद, समस्त, राजस्थान।
- 15 प्रोग्रामर, ग्रामीण विकास को विभागीय वेबसाइट पर अपलोड करने बाबत।


अधीक्षण अभियन्ता (ग्रावि)

**Design and Specifications of Bins, Pushcarts and Tricycles
for
Solid Waste Management**

SPEC – BIN

TECHNICAL SPECIFICATIONS OF ROADSIDE AND PUBLIC PLACE LITTER BINS

General requirements for bins (Molded or pre-fabricated)

- **SUPPORTING MS FRAME:** The litterbin shall be mounted on self supported MS fabricated frame (horizontal and vertical pipes) of MS square pipe not less than 38 mm or 40 mm, for dia tubular pipe 40 mm thickness not less than 3.2 mm. This SBC material should be conforming to IS 4923 (for square pipe)/IS 1161 (for circular pipe). The oscillation arrangement for emptying the bins is must. The MS frame structure shall be provided with one coat of Zinc primer and two coats of approved quality and black colour enamel. The hinges must be smooth, covered and dust protected and must be in position to allow 135 degree rotation of bin without overturning when filled. The vertical height of pipe from local ground level/road level (whichever is higher) shall not be less than 1.2 meter, hinges to be provided at a height of 0.9 meter. The overall weight of supporting MS frame shall not be less than 15 kg.
- **COLOUR:** The bin colour to be light green and red and the supporting frame colour should be black.
- **EMBOSSSED DETAILS:** The bin shall be having embossed details in 2" width words with the following message:
Painted logo: SBM (G) Rajasthan
This property belongs to GP---
Please use me properly
- **DURABILITY:** The bin shall be of proven design and performance for 3 years.

General requirements for bins: Effective capacity of 100 liter with adequate strength to handle a weight of 70 kg. Effective height shall not be less than 750 mm Litter bins for collecting litter on the roadside and public places, covered at top with smooth hinges and suitably mounted on fabricated structural frame with oscillation arrangements having the following specifications:

Material A – MS fabricated bins:

CONSTRUCTION MATERIAL OF BIN: The bin shall be made of MS sheet of thickness not less than 1 mm, having in built stiffener at top and bottom 15 mm wide and 4 mm deep, 15 mm deep diagonal ribs on the bottom side, the corners of bin must be well interlocked using 6 mm MS bar, handle 8 mm M.S. Bar with M.S strips on both sides of handle. 10 mm diameter four holes at bottom and covered at top using 0.8 mm thick MS sheet and having smooth movement on approved bearing system. The overall weight of MS material bin should not be less than 45 kg.

Material B – PVC molded bins:

CONSTRUCTION MATERIAL OF BIN: Virgin Linear low-density polyethylene (LDPE) or high-density polyethylene (HDPE) with UV stabilization having in built stiffener in the bottom 15 mm wide and 10 mm deep, ribs on the bottom side, Handle 8 mm M.S. Bar with M.S strips on both sides of handle, 10 mm diameter four holes at bottom and having smooth movement on approved bearing system. The overall weight of PVC material bin should not be less than 7 kg. The material specification shall be as given in table 1 at the end of the specifications sheet. There shall be no air entrapment during molding process. Central Institute of Plastic and Engineering Technology (CIPET) certification is necessary. The specification of material shall be confirming to Indian Standard Specification.

[Handwritten signatures and notes at the bottom of the page]

EX En JPR

Green Water

SBM (G)

9/10/17

SEAR

AE. V. ...

EE. Jodhpur

P.O.C.

SPEC – HAND CART/PUSH CART

TECHNICAL SPECIFICATIONS OF EQUIPMENT FOR HAND CART/PUSH CART

For handling/transportation/collection of rural solid wastes using hand carts.

TYPE: Pushing type handcart with tubular frame, with raised handle bar of width same as cart at height of 750 mm from base at a maximum angle of 45 to horizontal. 2/4 wheels of diameter 300 mm with sealed bearings. One support wheel in the front of diameter 250 mm. Two supports on side of handle to stand the cart in position. Brake with lever reaching next to the handle bar to lock vehicle in position. Axle live load 100 kg.

CART: Dimensions in any direction shall not be less than 750 mm and depth not less than 250 mm to accommodate 4 bins at one level, made from sturdy tubular / angular frame. Frame towards the handle raised to a height of 0.6 m with 6 mm thick hooks placed at 30 cm c/c on top bar to hang bags. A closed hook of 16 mm rod for securing the cart. Height at the container top level shall be 0.65 m +/- 0.1 m.

Material A – MS fabricated PUSH CART:

CONSTRUCTION MATERIAL OF PUSH CART: The two/four wheel cart shall be made of MS sheet of thickness not less than 1 mm, having in built stiffener at bottom 15 mm deep and 4 mm thick. The size of the cart shall not be less than 750 mm in any direction. The cart must be capable to hold four bins of 30 liter each separately and firmly.

Material B – PVC molded PUSH CART:

CONSTRUCTION MATERIAL OF PUSH CART: The two/four wheel cart shall be made of virgin Linear low-density polyethylene (LDPE) or high-density polyethylene (HDPE) with UV stabilization having in built stiffener in the bottom 15 mm wide and 10 mm deep at every 150 mm in each direction at the bottom side. The material specification shall be as given in table 1 at the end of the specifications sheet. There shall be no air entrapment during molding process. Central Institute of Plastic and Engineering Technology (CIPET) certification is necessary. The specification of material shall be confirming to Indian Standard Specification.

COLOUR: The bin colour to be light green and red and the supporting frame colour should be black.

EMBOSSSED DETAILS: The bin shall be having embossed details in 2" width words with the following message:

Painted logo: SBM (G) Rajasthan
This property belongs to GP---
Please use me properly

BRAKES: One brake with a lever next to the handle to lock the vehicle in position.

TYRE: Heavy-duty wheels with rubber tyres.

ACCESSORIES: Bell

DURABILITY: The pushcart shall be of proven design and performance for 5 years.

[Handwritten signatures and dates]
EX-EM JPR
Openketa
G...
G...
A...
EE
Jadhav
9/10/17
3
P.O. (L...)

TECHNICAL SPECIFICATIONS OF COLLECTING BINS

General requirements for bins (Molded or pre-fabricated)

- COLOUR: The collecting bin colour to be light green and red.
- EMBOSSED DETAILS: The collecting bin shall be having embossed details in 1" width words with the following message:
Painted logo: SBM (G) Rajasthan
This property belongs to GP---
Please use me properly
- DURABILITY: The collecting bin shall be of proven design and performance for 3 years.

General requirements for collecting bins: Effective capacity of 30 liter with adequate strength to handle a weight of 25 kg. Effective height shall not be less than 350 mm Litter bins for collecting litter having the following specifications:

Material A – MS fabricated bins:

CONSTRUCTION MATERIAL OF BIN: The bin shall be made of MS sheet of thickness not less than 0.8 mm, having in built stiffener at top and bottom 10 mm wide and 3 mm deep, the corners of bin must be well interlocked using 3 mm MS bar, handle 8 mm M.S. Bar with M.S strips on both sides of handle. 10 mm diameter 1 hole at bottom. The overall weight of MS material bin should not be less than 8 kg.

Material B – PVC molded bins:

CONSTRUCTION MATERIAL OF BIN: Virgin Linear low-density polyethylene (LDPE) or high-density polyethylene (HDPE) with UV stabilization having in built stiffener in the bottom, handle 8 mm M.S. Bar with M.S strips on both sides of handle, 10 mm diameter one hole at bottom. The overall weight of PVC material bin should not be less than 1 kg. The material specification shall be as given in table 1 at the end of the specifications sheet. There shall be no air entrapment during molding process. Central Institute of Plastic and Engineering Technology (CIPET) certification is necessary. The specification of material shall be confirming to Indian Standard Specification.

[Handwritten signatures and initials]
Exp En JBR
E. En KOTA
E. En B. S. ...
Gunn
A. En ...
Joshi
P.O. (En)
Dy. D. S. ...
9/10/17

SPEC – TRICYCLE

TECHNICAL SPECIFICATIONS OF EQUIPMENT TRICYCLE

The tricycle shall be rugged and durable to carry 6 bins of 30 liters each with following specifications:

TYPE: Tricycle with sturdy bar frame, with the rider to the front, big wheels with sealed bearings, two standard brakes and brake with lever reaching next to the seat to lock vehicle in position, axle capacity of minimum 400 kg and colour shade black.

TRICYCLE: 170 mm driving sprocket of anti corrosive material, sealed ball bearing, standard heavy duty chain made of non corrosive material with chain guard. Anti corrosive paddle with wear resistant rubber cover.

BRAKES: 2 standard brakes and one additional brake with a lever next to the seat to lock the vehicle in position.

WHEELS: 2 rear wheels to suit tyres of 27.5" x 1.65" size and one front wheel to suit tyre of size 28" x 1.5" mounted with sealed ball bearing and provide with heavy duty 8 ply tyres and tubes. Rims shall be chromium plated and all wheels shall be provided with mudguards.

ACCESSORIES: A bell, Cycle lock, amber reflectors at front and rear, basic tool kit, puncture repair kit and hand tyre pump.

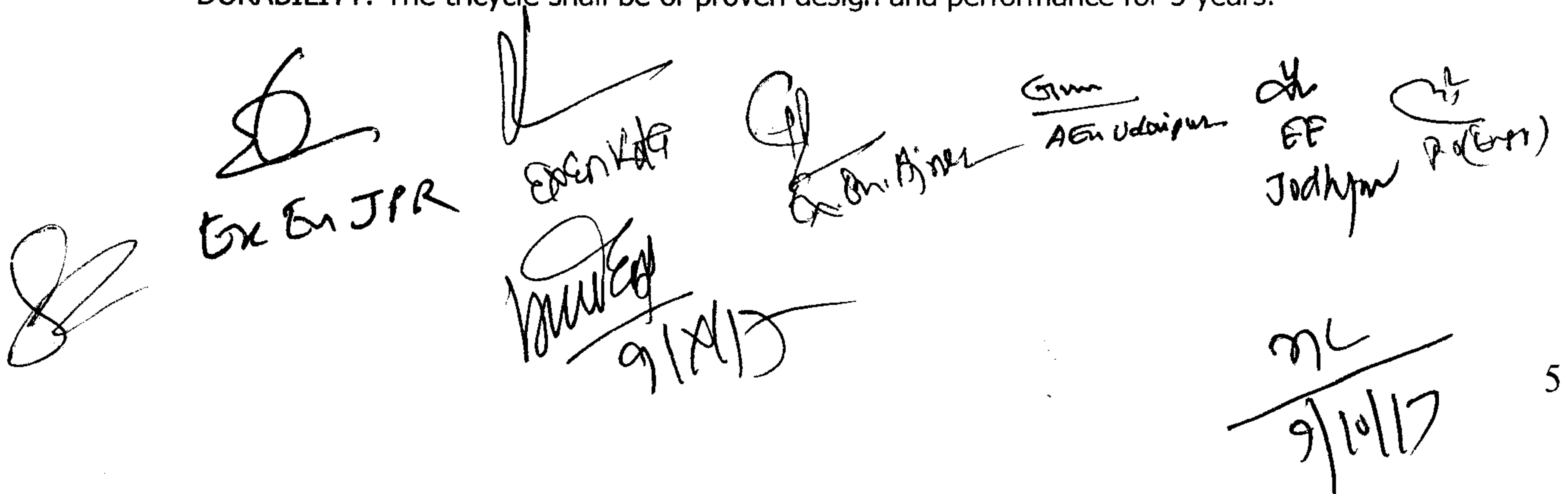
CART CONSTRUCTION: 40 mm hollow square section M.S. tube minimum. The overall length of tricycle shall not be less than 2.4 meter, width of bin storing platform 1.2 meters and bin height of 450 mm. Rear carrier arrangement with support on rear axle of dimensions about 1.3 x 0.7 x 0.3 m (l x b x h) to accommodate 6 bins at one level, made from 3.2 mm thick square section to carry a maximum load of 400 kgs. The bottom of cart shall be having MS flat of thickness not less than 1 mm and supported on 4 mm thick and 25 mm deep MS flats placed at 30 cm c/c bottom. Side hooks to be provided at 30 mm c/c to hang bags. Hinges at the rear door to allow easy movement of bins.

COLOUR: Two coats of Superior quality to ensure long lasting structure suitable for use for handling raw garbage under corrosive operations. Color shade black.


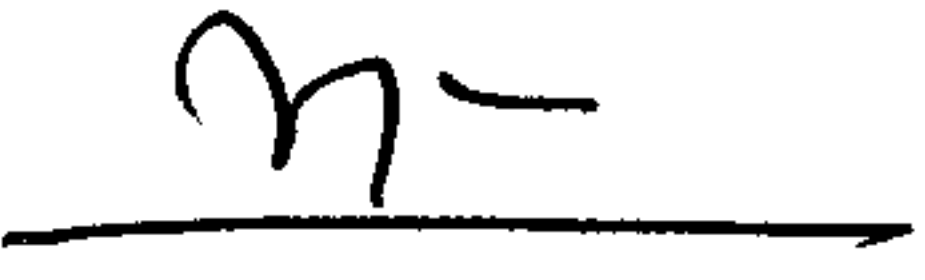

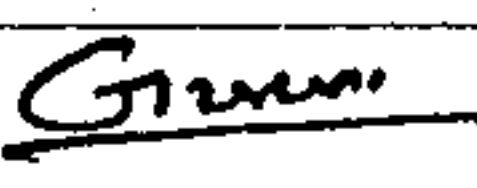



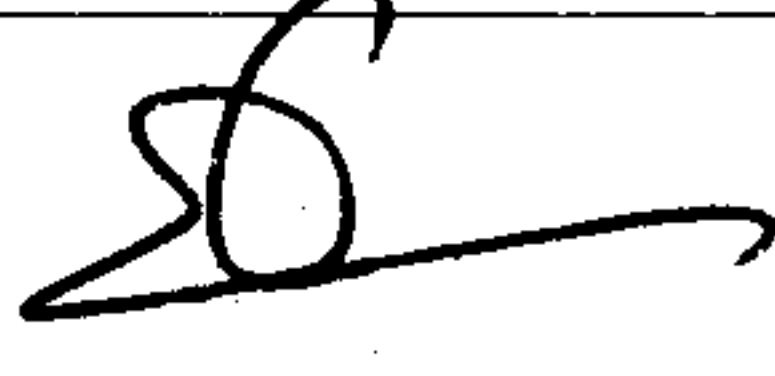

PAINTED DETAILS: The tricycle shall be having painted details in 2" width words with the following message:

Painted logo: SBM (G) Rajasthan
This property belongs to GP---
Please use me properly

DURABILITY: The tricycle shall be of proven design and performance for 5 years.

The bottom of the page contains several handwritten signatures and dates. From left to right: a signature followed by 'Ex En JPR'; a signature followed by 'Ex En K...'; a signature followed by 'Ex En A...'; a signature followed by 'AEn Udaipur'; a signature followed by 'EF Jodhpur'; a signature followed by 'Pd (En)'; and a date '9/10/17' with a horizontal line above it. The number '5' is written at the bottom right corner.

**विभागीय तकनीकी अनुमोदन समिति की बैठक दिनांक 09.10.2017
में उपस्थित अधिकारियों का उपस्थिति प्रपत्र :-**

क्र.सं.	अधिकारी का नाम	पद	हस्ताक्षर
1			
2			
3			
4	CM Tejwal	Adl. Direct WD 2 SC	
5	मुदेश मातेश्वरी	SE PR	
6	प्रीतपाल सिंह	आधि० अधि० ज्येष्ठ	
7	जयप्रकाश कंसल	सहायक आभियंता क्रि. परिषद, उदयपुर	
8	Pareeg Choudhary	NEA/DyD. SBM	
9	K.k. Sharma	SE RD	
10	सुनील कुमार जैन	Ex-Bn ZP Ajmer	
11	V.P. Taluka	Ex En ZP JPR	
12	Lokesh Dadhich	Ex En ZP KOT	
13			
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