

उप मुख्य सामग्री प्रबंधक कार्यालय
Dy. CMM/CRWS/BHOPAL

No. 68.12-WB- 58

Date: 02.04.2013

Tender to be closed on... **12.04.2013**..... at 14:30 Hrs .


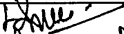
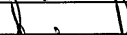
सुपुर्दगी का स्थान : उप मुख्य सामग्री प्रबंधक,सडिपुका,मेन स्टोर,भोपाल
Place Of Delivery : Dy. CMM (CRWS) BPL {AT MAIN STORES}
सुपुर्दगी अवधि : 30 दिन ६ भंडार उपलब्धता के अनुसार
Delivery Terms : 30 Days / Ex stock


Sr.No	Tender No	Description	Qnty
1.	68.13.5174	Acetylene Regulator single stage confirming to IS:6901-1988, inlet pressure 0-40 bar, outlet pressure 0-2bar, inlet connection 5/8" BSP LH(Male)and outlet connection 3/8" BSP LH (Male) with two gauges model IDA-4B of ESAB or Silverline 4822 S/A of Ador make.	30 Nos
2.	68.13.5175	Oxygen regulator single stage confirming To IS:6901-1988 Inlet pressure 0-400 bar outlet pressure 0-16 bar, Inlet connection 5/8" BSP RH (Male),outlet connection 3/8" BSP RH (Male) with two gauges model IOX-13 B of ESAB or silver line 4821 S/O of Ador make with OEM Certificate.	30 Nos
3.	68.13.5213	Light Weight Body filter for high buildup for passenger coaches packing in one gallon returnable M.S.Container. Specification as per Annexure Attached.	60Gallon
4.	68.13.5214	Disposable type respirators,NIOSH approved,N-95% Filtering efficiency as per CRWS Specification No.16 attached.	1600 Nos
5.	68.13.5215	MS Back panel Size 740x625x1.6 mm thick, material as per IS: 2062-2006 E 250 Cuc duly painted with one coat of Red oxide primer to IS:2074-93	300 Nos
6.	68.13.5216	MS Front panel with radius as per drg.no. CRW/SK-905 Sheet size 840x400x1.6 mm thick, material as per IS: 2062-2006 E 250 Cuc duly painted with one coat of Red oxide primer to IS:2074-93	375 Nos
7.	68.13.5153	Set of 'T' type straight curtain bracket size-20mm dia(3/4")..One set consisting of (1)Socket 20 mm dia=02Nos. (2)Base=02 No=Total quantity in one set=04 Nos in assembled condition as IS:1079.	200 Set
8.	68.13.5186	Mug in toilet of AC 1 st Sleeper Car Coach as per RDSO/SK-98002	240 Nos
9.	68.13.5159	Dusk Mosk with exhalation valve for Respiratory protection Is:9473/02.	300 Nos
10.	68.12.5844	Metric Thickness Gauge Range-0.05 to 1 mm,28 leaves,(Short leaf) each leaf is mark with its thickness. Make- Mitutoyo or Mahr.	06 Nos
11.	68.12.5848	Digital Micrometer Head (Digital) range-25mm,Least count-0.001 mm,with Dust/ Water protection confirming to IP65 Level. Make- Mitutoyo or Mahr.	03 Nos
12.	68.13.5188	Cap for Side Bearer to Drg No.ICF/STD-1-1-002 Alt.a item No.4	150 nos
13.	68.13.5191	"Alluminium Tower bolt 3" (75mm)" as per IS:204 PART/II/1992 Table-1	480 Nos
14.	68.13.5219	G.I.Dmmy plug (Solid) size-40mm as per IS:1239/II	450 Nos
15.	68.13.5220	G.I.Reducing Socket heavy duty size-25x15mm to IS:1878/Pt.II/75.	2600 Nos
16.	68.13.5221	M.S.Zinc plated hings length 3"(75mm) As per IS:1341/1992.	360 Nos
17.	68.13.5222	Expanded Metal Partition Frame below seat.as per Drg.No. CRW/SK-534.	175 Nos
18.	68.13.5223	Expanded Metal Partition Frame below Single seat for GS Coaches-Col-II.as per Drg.No. T 4-3-803 Alt-7&E.	750 Nos

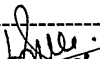
19	68.13.5224	Aluminum unequal angle moulding IS-733/86 Size 568x40x25x2 mm	2300 Nos
20	68.13.5225	Set of Half & Full Quarter Pannel ICF/RCF GSCZ,Non-AC Coaches,Specification-CK-513,OR-C-9407.As per Drg.No. CRW/SK-468,Alt-4 Col-III	12 Set
21	68.13.5226	Transparent Nylon Braided P.V.C.Hose pipe size-(08mm IDX14mm OD)As per IS:12492 Type=II along with testing certificate. Make-Samson or Samsonex or Samson regular.	4000 Mtrs.
22	68.13.5227	T-Joint for Pneumatic compressed air pipe line distribution pressure capacity=25kg/cm2,one end male 20mm,BSP Thread Remaining two Female and 20mm BSP Thread.As per sealed sample attached.	75 Nos
23	68.13.5228	Set of Reducing Tee size-25x25x20mm,as per IS:1879/Part.III/75 table-2,Quantity=02 Nos & G.I.Elbow size-20mm,as per IS:1879/Part-III/75 table-1,Quantity=02 Nos (One set consisting of 04Nos.)	590 Sets
24	68.13.5229	Leather washer for fitting connection & Equalizing connecting size-ID-47mm,OD-80mm thickness 5mm.as per Drg.no. CRW/SK-465 ,Item No.4 to IS:3020-76.	2000 Nos
25	68.13.5230	Set of Auto Electrical spares for Swraj make Forklift.One set Consisting as per Enclosed Annexure.	01 Set
26	68.13.5231	High Density Molecular weight polymer trolley wheel (Dark Red) size-300mmx50mmx30mm.	124 Nos
27	68.13.5232	M.S.Hex nipple reducing heavy duty size-15x10x40mm long as per sample,material IS:1239 Part –II/1982.	600 Nos
28	68.13.5233	Adopter for pressure gauge.as per Drg.No. CRWS/AB-54.	200 Nos
29	68.13.5234	Set of Gland Nut brass size 5/8" BSP LH(Male)center hole 13.5mm dia for DA cylinder valve and size 13.5mm RH(Female) for CO2 Cylinder valve made by hexagonal brass of extruded quality as per sample,confirming to IS: 3488-1980.(One set consist of 01 No.DA gland nut & 01No.CO2 gland nut approx.wt.of DA gland nut is 80 gms and CO2 gland nut is 42 gms.(+2gms.))	200 Sets
30	68.13.5235	Gas diffuser part No. 0140261 of Abicor Binzel or Part No. 114.P002003 or Tbi or Gas diffuser ceramic,4S Make for CO2 welding torch model MIB36KD.	200 Nos
31	68.13.5243	Set of Double ended open Jaw Fix & Ring type spanner as per annexure 'A'&'B' Make-Taparia,Jhalani,Hira,Everest (at the time of supply ,proof of purchase from OEM Authorized Dealer must be submitted)Annexure 'A'-10Item=220 Nos.Annexure'B'-10Item=205 Nos(Total A+B=20 Items=425 Nos)	01 Set
32	68.13.5244	Set of screw driver as per annexure 'C' Make as per Taparia (Product No) or equivalent,Everest,Hira,Jhalani (at the time of supply proof of purchase from OEM Authorized Dealer must be submitted) Annexure C-06 item=190 Nos (01Set)	01 Set
33	68.13.5245	Set of Bihexagonal Socket ½ inches square drive flank drive (4)Exel socket's(G)Socket's As per Annexure 'D'&'E' (Taparia Design No or Equivalent) Make-Taparia,Jhalani,Hira,Everest (At the time of supply proof of purchased from OEM Authorized Dealer must be submitted) Annexure'B'-10item=65 Nos,Annexure=01 item=20 Nos.(Annexure D+E=11Items =35 Nos).	01 Set
34	68.13.5246	Set of Ratchet Handle slugging Ring spanner's &cable cutter as per Annexure'F'Make-as per Taparia (Product No) or Equivalent Everest ,Hira Jhalani (At the time of supply proof of purchased from OEM Authorized Dealer must be submitted) Annexure'F'03 ITEMS=08Nos.	01 Set

AMM/CRWS/BPL

SPECIFICATION	TECHNICAL SPECIFICATION FOR LIGHT WEIGHT BODY FILLER FOR HIGH BUILD- UP FOR PASSENGER COACHES	MDTS: 176 Rev. Nil PAGE OF 3
		DATED 08 12 2006

NAME	DESIGNATION	SIGNATURE	DATE	LEVEL
Aman Bhardwaj	SSE/Dev		08/12/06	Prepared
Lalit Kishore	SME/Dev		08/12/06	Agreed / Reviewed
S. K. Aggarwal	CDE		21/10/07	Approved


Prepared by 08/12/06


Agreed by 08/12/06

SPECIFICATION	TECHNICAL SPECIFICATION FOR LIGHT WEIGHT BODY FILLER FOR HIGH BUILD- UP FOR PASSENGER COACHES	MDTS: 176 Rev. Nil PAGE 3 OF 3
		DATED 08 12 2006

11	Adhesion and compatibility in paint system	Appendix E of MDTS 094	Finish with uniform gloss and colour with good adhesion and compatibility of paint system
12	Specific Gravity		1.19
13	Shelf life	Appendix H of MDTS 094	Twelve months
14	Temperature Resistance		Remain flexible upto -28.8 deg C No degradation for 5 Weeks upto 93.3 deg C

2.0 Storage and Handling:

The product when stored at room temperature in original, unopened container shall have a shelf life of 12 months.

Prepared by *[Signature]* 21/06

Agreed by *[Signature]* 21/06

SPECIFICATION	TECHNICAL SPECIFICATION FOR LIGHT WEIGHT BODY FILLER FOR HIGH BUILD- UP FOR PASSENGER COACHES	MDTS: 176 Rev. Nil PAGE 2 OF 3
		DATED 08 12 2006

- 1 This specification covers the general & technical requirements of vacuum processed, two component, and light weight polyester filler for high build –up requirements.
- 2 This filler is intended to be used for leveling up effectively the surface imperfections such as dents and depression on the exterior surfaces of the coaches.
- 3 The material shall have feature of scotchlite glass bubbles as filler. It shall have good adhesion on the substrate and shall have good compatibility with epoxy based metal primer/PUR metal primer, polyurethane under coat and top coat. This body filler is to be used over primed surface with 2% cream hardener to provide smooth spreading; creamy texture, easy sanding and cures tack free in 15– 20 minutes.
- 4 Requirement Of Properties For Polyester Based Filler (Two Components) are mention in table-1

Table-1

S.No.	CHARACTERISTIC	TEST METHOD	REQUIREMENTS
1	Base Filler	Visual under magnifier	Unsaturated polyester Resin with Glass Bubbles
2	Pot life, min	App II of M&C/PCN/100/96	25 minutes
3	Dry film thickness, min	By Electrometer or any suitable apparatus	As required
	Drying time:		
	a) surface dry max	IS: 101-86 (part 3 sec 1)	2 hours
	b) hard dry max	IS: 101-86 (part 3 sec 1)	5 hours
	c) hard dry at 70°C max	IS: 101-86 (part 3 sec 1)	30 minutes with 15 minutes flash off time
4	Flash point:		
	a) Component 'A'	IS: 101-87 (part 1 sec 6)	Above 31°C.
	b) Component 'B'		Above 31°C.
5	Consistency	IS: 101-89 (part 1 sec 5)	Smooth and uniform and suitable for spatula upto 80mm /knife application
6	Viscosity	Brookfield viscometer	192000-256000 cps.
7	Finish	IS: 101-87 (part 3 sec 4)	Smooth and matt to egg shell flat
8	Colour	IS: 101-89 (part 4 sec 2)	Light grey/green
9	Stopping properties	Appendix C of MDTS 094	Shall show no sagging, cracking or shrinkage
10	Rubbing properties	Appendix D of MDTS 094	Shall dry rub with 180 grade paper and wet rub with 280 grade water and shall not show defects likes roughness, scratches, cracks and pin holes after rubbing

Prepared by *[Signature]* 08/12/06

Agreed by *[Signature]* 08/12/06

Annexure of Tender No.68.13.5214 Due on 09.04.13.

Specification No.16
Specification for Disposable type Respirator

Note:- The firm should offer Para wise remarks to all clause /subclause of specification ,failing which their offer shall be liable to be rejected.

1. **Application :-** Respirator for used against solid particle/Mist of all types of acid chemicals,specially for cutting of troughfloor,lavatory cutting body repair,PCR staff and cleaning staff.
2. **Description :-**
 - i. The product shall be N95% filtering efficiency.
 - ii. The product must approved by IOSH.
 - iii. The weight of respirator shall not be more than 10gms.
 - iv. It provides to comfort & acceptance to the wearer.
 - v. Secure fitting to facial contour. This fitting should be strong
 - vi. Low Profile for better visibility.
 - vii. Headband shall be twin welded/stiched and shall not cause irritation to wearer.
 - viii. Any puncture/leakage in the breathing zone of respirator not be accepted.
 - ix. The firm shall be submitted either OEM or latest authorization certificate of original manufacturer.
3. **Sample:-**
 - i. Firm shall submit sample (s)with each of his offer.
 - ii. In absence of sample offer (s) are liable to be ignored.
4. **Inspection:-**
 - i. Visual Inspection shall be carried out by Dy.CME/R or his authorized representative.

AMM/CRWS/BPL

Annexure of Tender No.68.13.5230 due on 12.04.13
Set of Auto Electrical spares for Swaraj make Fork lift.

Sr.No	Description	Quantity
1	GM Bush Number 430X for Armature of Swaraj Forklift Model FD-20 &FD 30Make Swraj/Lucas/MSP	20 Nos
2	GM Bush Number 649 2X for Armature of Swaraj Forklift Model FD-20 &FD 30Make Swraj/Lucas/MSP	20 Nos
3	GM Bush Number 649 3X for Armature of Swaraj Forklift Model FD-20 &FD 30Make Swraj/Lucas/MSP	20 Nos
4	GM Bush Number 0312 Standard for Armature of Swaraj Forklift Model FD-20 &FD 30Make Swraj/Lucas/MSP	10 Nos
5	Ampere Meter for Swaraj Forklift Model FD-30 Make-Swaraj/V3/Pricol.	05 Nos
6	Connecting Link For swaraj Forklift Model FD-30 Make-swaraj/Lucas.	30 Nos
7	FD-20 Make-swaraj/Lucas	30 Nos
8	Sealing Ring kit for Swaraj Forklift Model FD-20 Make-swaraj/Lucas/Autolek	20 Nos
9	Sealing Ring kit for Swaraj Forklift Model FD-30 Make-swaraj/Lucas/Autolek	20 Nos
10	Carbon Bush Lucas Part No.26555204 Make-Swaraj/Lucas.	20 Set
11	Carbon Bush Lucas Part No.26555205 Make-Swaraj/Lucas.	20 Set
12	Horn Set 12V Megasonic Make-Roots/Minda/Swaraj	06 Set

(One set as per annexure 'A'=10Items=220 Nos)

AMM/CRWS/BPL

Annexure 'A' of Tender No.68.13.5243 due on 12.04.13

Sr.No.	Description(Tools &Size)	Qty
1	Double ended open Jaw fix spanner 30x32	05 Nos
2	Double ended open Jaw fix spanner 24x27	10 Nos
3	Double ended open Jaw fix spanner 19xx22	10 Nos
4	Double ended open Jaw fix spanner 18x19	20 Nos
5	Double ended open Jaw fix spanner 16x17	35 Nos
6	Double ended open Jaw fix spanner 14x15	10 Nos
7	Double ended open Jaw fix spanner 12x13	50 Nos
8	Double ended open Jaw fix spanner 10x11	40 Nos
9	Double ended open Jaw fix spanner 8x9	30 Nos
10	Double ended open Jaw fix spanner 6x7	10 Nos

Annexure 'B' of Tender No.68.13.5243 due on 12.04.13

Sr.No.	Description(Tools &Size)	Qty
1	Double ended ring type fix spanner 30x32	05 Nos
2	Double ended ring type fix spanner 24x27	10 Nos
3	Double ended ring type fix spanner 19x22	10 Nos
4	Double ended ring type fix spanner 18x19	20 Nos
5	Double ended ring type fix spanner 16x17	35 Nos
6	Double ended ring type fix spanner 14x15	10 Nos
7	Double ended ring type fix spanner 12x13	50 Nos
8	Double ended ring type fix spanner 10x11	40 Nos
9	Double ended ring type fix spanner 8x9	30 Nos
10	Double ended ring type fix spanner 6x7	10 Nos

AMM/CRWS/BPL**Annexure –C of Tender No.68.13.5244 due on 12.04.13**

Sr.No	Tools Name & Size	Product No	QTY
1	Green plastic handle screw driver	826	20 Nos
2	Green plastic handle screw driver insulated	938	50 Nos
3	Green plastic handle screw driver insulated	937	50 Nos
4	Green plastic handle screw driver	929	30 Nos
5	Green plastic handle screw driver	931	20 Nos
6	Green plastic handle screw driver connector	902	20 Nos

(One set as per annexure C-06 ITEMS=190 Nos)**Annexure –D of Tender No.68.13.5245 due on 12.04.13**

Sr.No.	Tools Name & Size	Product No.	Addl Qty demanded
1	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	24	05
2	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	19	10
3	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	18	05
4	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	17	10
5	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	15	05
6	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	13	10
7	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	11	05
8	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	10	05
9	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	009	05
10	Bihexagonal Socket ½ inches square drive flank drive (H)exel socket design No. 185529 Taparia Make.	08	05

Annexure –E of Tender NO.68.13.5245 DUE ON 12.04.13

1	Bihexagonal Socket ½ inches square drive flank drive (G)exel socket design No. 185529 Taparia Make.	13	20
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AMM/CRWS/BPL**Annexure-F of Tender NO.68.13.5246 DUE ON 12.04.13**

Sr.No.	Tools Name & Size	Product No.	Addl Qty demanded
1	Ratchet handle with sq-coupler size 500mm	2715 Taparia	02
2	Slugging ring spanner size 30mm	SSR-30Taparia	02
3	Mechanical cable cutter up to 120sqmm	Dowells make	04