



CSU & FP

PLANT PURCHASE SPECIFICATION

FABRICATION PLANT

DEPARTMENT: PRODUCTION

NO.: BHEL/FP/TS/39

REV NO : 01

REV. DT :

Sheet 1 of 2

POLYESTER DUPLEX FLAT WEBBING SLING WITH ANTI ABRASIVE SLEEVES

1.0. PURPOSE:

Polyester duplex (Two Ply) flat webbing sling with reinforced eyes at both ends stitched with Double part Anti Abrasive sleeve in movable condition (both sides of the sling) to protect the sling from rough abrasive surface to prolong sling life. Slings will be used for lifting of different sizes of MS Plates, jobs at Fabrication area.

2.0. SCOPE:

The scope includes design, manufacturing, supply and testing of Polyester duplex flat webbing sling with reinforced eyes at both ends stitched with Double part Anti Abrasive sleeve in movable condition (both sides of the sling) to protect the sling from rough abrasive surface.

3.0. TECHNICAL SPECIFICATION:

- a) Length of the sling: As specified in BHEL order in Meters.
- b) Vertical lifting capacity of the sling: As specified in BHEL order in MT.
- c) Safety Factor: 1:7
- d) Length of sliding anti – abrasive sleeve for crane hooking: Suitable for eye size of sling.
Length of sliding double part anti – abrasive sleeve for job hooking: As specified in BHEL order in meters.
- e) No. of anti-abrasive sleeves: 2
- f) Anti – abrasive sleeves should be sliding to adjust its position as per job requirement.

3.1. GENERAL PARAMETERS:

The slings should meet the following parameters:

- 3.1.1. The Double part Anti Abrasive sleeve in movable condition (both sides of the sling) to protect the sling from rough abrasive surface to prolong sling life anti – abrasive sleeve should be extremely resistive to abrasions during lifting and handling of the job.
- 3.1.2. The sling should be designed to have low stretch within elastic limit as per BS EN 1492 – 1: 2000./ BS EN 1492-4:2004
- 3.1.3. The sling should be designed to have a high resistance against wear and tear.
- 3.1.4. The sling should not leave any scratches / marks on the finished surfaces of the jobs.
- 3.1.5. The slings should be soft and flexible so that no damages is caused on job during handling.
- 3.1.6. The sling should not slip after loading of jobs.
- 3.1.7. The slings should be provided with labels indicating normal load capacity.

	Prepared By	Checked By	Reviewed By	Approved By
Signature:				
Name :	Udaya Raj Saroj (D.E)	Anil Kr Kaushal (Sr.Engr)	Shobhit Maurya (Dy.Manager)	Nripendra Kr. (SDGM)
Dt. of issue:				



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3.1.8. The sling should have adequate capacity to absorb shock – loads without damage.

4.0. TEST CERTIFICATE:

- a) The slings shall be tested as per standard BS EN 1492 – 1: 2000 / BS EN 1492-4:2004
- b) The supplier shall furnish the test certificate conforming the above specifications.
- c) Test certificate should be provided with each sling.
- d) The supplier shall furnish the test certificate giving the following details:
 - i) BHEL specification number
 - ii) BHEL purchase order number
 - iii) Quantity / lot number
 - iv) Supplier's reference

5.0. GUARANTEE:

- a) Guarantee of Polyester duplex flat webbing sling with reinforced eyes at both ends stitched with double anti – abrasive sleeves shall be 12 months from the date of final acceptance at BHEL FP Jagdishpur.
- b) Guarantee certificate should be provided with each sling.
- c) The supplier shall furnish the guarantee certificate giving the following details:
 - i) BHEL specification number
 - ii) BHEL purchase order number
 - iii) Quantity / lot number
 - iv) Supplier's reference

6.0. ACCEPTANCE CRITERIA:

The material shall be accepted on the basis of satisfactory load testing at BHEL works.

7.0. PACKING:

The material shall be well packed so that no damage is caused during transit.

8.0. MARKING:

Each consignment shall be labelled stating clearly:-

- i) BHEL specification number
- ii) BHEL purchase order number.
- iii) Quantity / lot number
- iv) Supplier's reference.

9.0. REJECTION CRITERIA:

BHEL reserves the right to reject the material if the material does not conform to the above specification at later stage.

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