

<b>MONITORING INSTRUCTION FOR INSPECTION</b>		<b>Issue No. 01</b>
		<b>Rev. No. 03</b>
		<b>Date of Issue</b> <b>10/07/2018</b>
<b>TUNGSTEN POWDER AS PER ARDE SPECIFICATION</b>	<b>HAPP/QA/SC/G/030</b>	

**SPECIFICATION : ARDE /SPECN/PNWH/MAT/TAP:2012**

**END USE : PREFRAGMENTS**

**A INSPECTION CHECK TO BE CARRIED OUT AT FIRMS PREMISES: NIL**

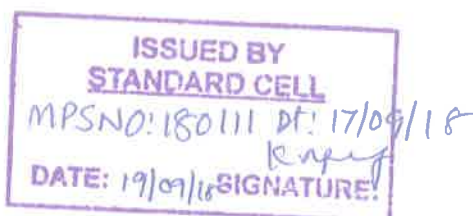
**B INSPECTION CHECK TO BE CARRIED OUT ON RECEIPT AT FACTORY.**

**PILOT SAMPLE**

1. The firm shall initially supply 2 kgs of Tungsten powder per batch/lot as Pilot Sample mentioning Batch no./Lot no. , Batch/Lot Qty. along with Test Certificates for each batch/lot Indicating Chemical composition, Apparent Density, Average Particle Size. The firm shall also provide particle size distribution for each batch.

**TABLE A**

SL. NO.	CHARACTERITICS	SPECIFICATION / REQUIREMENT	SAMPLE SIZE
1	VISUAL	ALL THE CONTAINERS SHOULD BE FREE FROM DAMAGES AND RUPTURES	EACH CONSIGNMENT
2	PACKING	<ol style="list-style-type: none"> <li>1) THE MATERIAL FOR EACH BATCH SHOULD BE FILLED IN DOUBLE POLYTHENE FILM BAGS AND SHALL BE PROVIDED IN WEATHER TIGHT SEALED AND REINFORCED STEEL DRUMS (EACH DRUM 50KG CAPACITY) HAVING LIFTING RINGS PROVIDED AT SIDES AND TOP.</li> <li>2) THE PACKING SHALL BE SEA/AIR WORTHY TO WITHSTAND ANY POSSIBLE DAMAGE TO DRUMS DURING TRANSIT &amp; HANDLING.</li> <li>3) EACH DRUM SHOULD CARRY A TAG INDICATING BATCH/LOT NO. AND QTY FOR PROPER IDENTIFICATION.</li> <li>4) IN CASE THE POLYTHENE FILM BAGS ARE FOUND IN OPEN OR RUPTURED CONDITION INSIDE THE DRUM, THE POWDER WILL NOT BE ACCEPTED.</li> <li>5) SUCH REJECTED MATERIAL SHOULD BE REPLACED BY SUPPLIER AT NO COST BASIS.</li> </ol>	EACH CONSIGNMENT



<b>MONITORING INSTRUCTION FOR INSPECTION</b>		<b>Issue No. 01</b>
		<b>Rev. No. 03</b>
		<b>Date of Issue</b> <b>10/07/2018</b>
<b>TUNGSTEN POWDER AS PER ARDE SPECIFICATION</b>	<b>HAPP/QA/SC/G/030</b>	

S.L. NO.	CHARACTERITICS	SPECIFICATION / REQUIREMENT	SAMPLE SIZE
3	MARKING	EACH DRUM SHALL BE SUBSCRIBED WITH MANUFACTURING LOT/BATCH NUMBER/S, TOTAL NO OF CONTAINERS COMPRISING THE BATCH/LOT, PURCHASE ORDER NUMBER AND DATE OF FINAL SEALING, DATE OF MANUFACTURE AND NAME OF MANUFACTURER.	EACH CONSIGNMENT
4	CHEMICAL COMPOSITION	W -99.90% Min ( by Difference on Gas free Basis ) Ca - 50 ppm max Al - 20 ppm max Mg - 15 ppm max K + Na - 30 ppm max Cu - 20 ppm max Mn - 20 ppm max Sn - 20 ppm max As - 20 ppm max Bi - 20 ppm max Si - 40 ppm max C - 40 ppm max S - 10 ppm max P - 20 ppm max MO - 50 ppm Max O - 2000 ppm max	1 SAMPLE PER PILOT BATCH / LOT
6	AVERAGE PARTICLE SIZE	3.0 to 6.0 MICRONS FSS	
5	APPARENT DENSITY	3.0 TO 5.0 gm / cc.	

**ISSUED BY**  
**STANDARD CELL**  
MPS NO: 180111 Dt: 17/09/18  
DATE: 19/09 SIGNATURE: *[Signature]*

<b>MONITORING INSTRUCTION FOR INSPECTION</b>	<b>Issue No. 01</b>
	<b>Rev. No. 03</b>
<b>Date of Issue</b> <b>10/07/2018</b>	
<b>TUNGSTEN POWDER AS PER ARDE SPECIFICATION</b>	<b>HAPP/QA/SC/G/030</b>

**NOTE:-**

1) ONE SAMPLE OF 500GMS (MAX) OF POWDER SHALL BE DRAWN FROM EACH PILOT BATCH SUBJECT TO CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES TESTING.

2). ON GETTING SATISFACTORY RESULTS FOR THE PILOT SAMPLE, THE FIRM SHALL BE GIVEN CLEARANCE FOR SUPPLY OF BULK LOTS/BATCHES

**B. BULK SUPPLY**

1) INSPECTION CHECK TO BE CARRIED OUT ON RECEIPT AT FACTORY AS PER TABLE A.

2. IF BATCH SIZE MORE THAN 10,000 KGS THEN FOR EVERY 10,000KGS THREE REPRESENTATIVE SAMPLES SHALL BE TAKEN.

**C. VERIFICATION OF ADEQUACY OF INSPECTION DOCUMENTS.**

**THE SUPPLIER SHALL ENCLOSE THE FOLLOWING INSPECTION DOCUMENTS ALONG WITH EACH SUPPLY INCLUDING PILOT SAMPLES.**

SL. NO.	INSPECTION DOCUMENTS *
1	TEST CERTIFICATE FROM NATIONAL/ INTERNATIONAL ACCREDITED LABORATORY FOR EACH BATCH CONFIRMING THAT THE TUNGSTEN POWDER HAS BEEN TESTED AND INSPECTED AND MEETS THE ABOVE MENTIONED TECHNICAL SPECIFICATION SEPARATELY FOR EACH LOT / BATCH, PILOT AND BULK SUPPLIES HAVING LINK TO HAPP SUPPLY ORDER REFERENCE.
2	PACKING SLIP INDICATING SOURCE, WEIGHT PER DRUM, HAPP SUPPLY ORDER NO., POWDER LOT / BATCH NO. ETC.
3	PARTICLE SIZE DISTRIBUTION DATA OF THE POWDER FOR EACH BATCH / LOT.
4	GAURANTEE / WARRANTY CERTIFICATE.
5	CERTIFICATE INDICATING DATE OF MANUFACTURE AND SHELF LIFE IF STORED IN ORIGINAL SEALED PACKING IN AMBIENT CONDITION FOR EACH BATCH / LOT.
6	IN ADDITION TO THE ABOVE SOFT COPIES OF ALL THE CERTIFICATES MENTIONED IN TABLE - C SHALL BE SENT TO E-MAIL ID's. happqa.ofb@ofb.gov.in , mmhapp.ofb@ofb.gov.in
Note	EXPLICITLY DEVIATION(S) IF ANY SUCH AS TYPOGRAPHICAL ERROR, VALUES, NUMERIC, OTHER PARAMETER, ETC IS/ARE FOUND IN MONITORING INSTRUCTION OF THE ABOVE STORES, THE RELEVANT STANDARDS CONFORMING TO THE CONCERNED SPECIFICATIONS SHALL BE REFERRED TO CONFIRM THE PARAMETER

\* - NOTE : HAPP SUPPLY ORDER NO. & QTY.MUST BE MENTIONED CLEARLY IN ALL ABOVE INSPECTION DOCUMENTS.

**KOUSIK CHAKRABORTY**  
**DY. GM/PM**  
**MEMBER / MI COMMITTEE**

**D.BHASKAR RAO**  
**WM / E**  
**MEMBER / MI COMMITTEE**

**T.PRABHU**  
**JT.GM / QA**  
**CHAIRMAN / MI COMMITTEE**

ISSUED BY  
STANDARD CELL  
MPSNO: 180 111, Dt: 17/09/18  
DATE: 19/09 SIGNATURE: