

## **JOINT INSPECTION REPORT**

Report no : BGRESL/NPCIL/KAPP-3&4/INSP/001 Dt 27/09/2012  
Client : M/s Nuclear Power Corporation of india Limited  
Project : Main plant electrical system package, KAPP 3&4 & RAPP-7&8  
EPC contractor : M/s BGR Energy Systems Limited, Chennai  
Ref. Doc's : 1) CMM/MEQ/22-50-2-1038/PO/6072,Dt 25.08.11  
2) P.O.No 4100000710 Dt 16.08.2012  
3) NPCIL approved QAP no NPCIL/KAPP 3&4/E-20/006/R0  
Place : Silverline power infrastructure pvt.ltd ,Por ,Dist Vadodara  
Description of work : Pull boxes inspection after galvanizing(2500 nos)  
Date of inspection : 27.09.2012

Sr no	Item Description	Qty
1	Pull box(75mmx75mmx75mm)	2500 nos

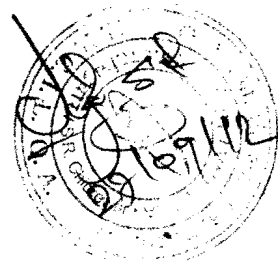
### **Following tests carried out on test coupon after Galvanizing:**

Sr no	Checks	Requirements	Observations
1	Uniformity of Zinc coating (Copper sulphate test) as per IS 2629 1985	Reddish deposit must not found	Reddish deposit not found
2	Weight of Zinc coating as per IS 4759 1996	460gms/Sq.mtr	689.41gm/sq m

### **Zinc coating thickness measurements:**

- 1) Test coupon coating thickness – Average 98microns

*ms*  
27/09/12

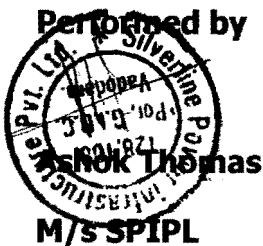



2) Zinc coating thickness of Pull boxes(in microns) (As per below table)  
(Ref IS 4759-1996)


<b>1</b>	89,88,94,74	<b>15</b>	87,81,105,97	<b>29</b>	88,94,95,100
<b>2</b>	74,87,72,64	<b>16</b>	99,159,97,89	<b>30</b>	71,75,98,95
<b>3</b>	73,75,65,81	<b>17</b>	64,142,71,98	<b>31</b>	84,70,65,98
<b>4</b>	128,62,149,87	<b>18</b>	98,80,122,95	<b>32</b>	69,98,127,110
<b>5</b>	112,70,108,98	<b>19</b>	81,84,98,78		
<b>6</b>	114,94,106,144	<b>20</b>	84,92,99,114		
<b>7</b>	128,79,71,66	<b>21</b>	84,88,69,87		
<b>8</b>	71,77,75,52	<b>22</b>	80,71,65,76		
<b>9</b>	76,98,79,78	<b>23</b>	106,71,65,98		
<b>10</b>	97,119,97,101	<b>24</b>	81,75,82,63		
<b>11</b>	86,92,72,65	<b>25</b>	146,135,96,86		
<b>12</b>	91,122,99,92	<b>26</b>	134,74,119,158		
<b>13</b>	123,70,67,70	<b>27</b>	90,84,131,78		
<b>14</b>	95,124,92,97	<b>28</b>	80,95,98,101		

Zinc coating thicknesses were checks for 32nos of pull boxes and values were found acceptable.

Above checks were carried out for the mentioned items and found to be in order and hence above mention quantities can be further process.

Performed by  
  
**S. K. Thomas**  
**M/S SPIPL**

Witness by  
  
**Mehul more**  
**M/s BGRESL**

Witness by  
  
**C. Satish**  
**M/s NPCIL**