

## Corrigendum - 2 dated 07/04/2026 to CPC Tender No. BHEL/CPC/TAL /E\_ILLUM/26/096

**Name of Work:** Erection, Testing & Commissioning of Illumination Package of U#1 & U#2 at 2x660 MW NTPC Talcher Thermal Power Project, Stage-III, Angul, Odisha.

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**A) Technical Conditions of Contract (TCC):** The Following clauses of TCC are revised as below:

Sl. No.	Clause No.	Existing in Tender	Revised As
1.	TCC Clause No.2.1	<p>Erection, testing, pre-commissioning and handing over of Illumination (Station Lighting) System, all lighting equipment's as per Technical conditions of contract (TCC) and all other materials including handling at storage yard/ stores, transportation to work site, calibration, pre-assembly as required for completion of Unit#1 &amp; 2 of 2x660 MW NTPC Talcher Project.</p> <p>Supply &amp; Erection of consumables like adapter glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, all saddles, spacer, circular junction box, circular box, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball &amp; sockets, earth clips, fan boxes, clamps, screws, pull out boxes etc., conduit boxes, clamps, flexible conduit, fixing hardware, anchors, wedges, nuts &amp; bolts, concrete inserts, M/H Hook with rawl plug, materials required for mounting the fixtures, consumable and other incidental materials required to complete the installation, testing &amp; commissioning of complete lighting system for successful operation, &amp; to the satisfaction of purchaser/customer. Supply scope of these items shall form part of the installation rates quoted for the item (As per Tentative List of Consumables given in Annexure-1 of Chapter XI).</p> <p>The broad scope of E&amp;C work includes:</p> <ol style="list-style-type: none"> <li>1. LDB/ WDB (Distribution Boards).</li> <li>2. Lighting Panels.</li> <li>3. Lighting Luminaires (complete with accessories).</li> </ol>	<p>Erection, testing, pre-commissioning and handing over of Illumination (Station Lighting) System, all lighting equipment's as per Technical conditions of contract (TCC) and all other materials including handling at storage yard/ stores, transportation to work site, calibration, pre-assembly as required for completion of Unit#1 &amp; 2 of 2x660 MW NTPC Talcher Project.</p> <p>Supply &amp; Erection of consumables like adapter glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, all saddles, spacer, circular junction box, circular box, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball &amp; sockets, earth clips, fan boxes, clamps, screws, pull out boxes etc., conduit boxes, clamps, flexible conduit, fixing hardware, anchors, wedges, nuts &amp; bolts, concrete inserts, M/H Hook with rawl plug, materials required for mounting the fixtures, consumable and other incidental materials required to complete the installation, testing &amp; commissioning of complete lighting system for successful operation, &amp; to the satisfaction of purchaser/customer. Supply scope of these items shall form part of the installation rates quoted for the item (As per Tentative List of Consumables given in Annexure-1 of Chapter XI).</p> <p>The broad scope of E&amp;C work includes:</p> <ol style="list-style-type: none"> <li>1. LDB/ WDB (Distribution Boards).</li> <li>2. Lighting Panels.</li> <li>3. Lighting Luminaires (complete with accessories).</li> </ol>

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2.	TCC 2.2.3	<p>Supply of necessary hardware (As per Tentative List of Consumables given in Annexure-1 of Chapter-XI) such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball &amp; sockets, earth clips, fan boxes, clamps, screws, pull out boxes etc. are in the scope of bidder. No separate rate shall be payable for the above.</p>	<p>Supply of necessary hardware/consumables shall be in bidder scope, as per Clause No. 10.1 of Chapter-X. No separate rate shall be payable for the above.</p>

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3.	TCC 2.2.5	<p>The contractor shall be responsible if any parts of lighting fixtures, LDBs, LPs are lost or damaged and lamps are broken during installation. All damage and thefts shall be made good by the contractor till the installation is handed over to the customer.</p>	<p>The contractor shall be responsible if any parts of lighting fixtures, LDBs, LPs are lost or damaged and lamps are broken during installation. All damage and thefts shall be made good by the contractor till the installation is handed over to the customer.</p> <p style="color: blue;">This responsibility is limited to the installation, erection, testing &amp; commissioning scope and does not extend to supply.</p>																																								
4.	TCC 2.3.8	<p>In the rooms where false ceilings are provided, the lighting fixtures shall be supported separately by false ceiling grid of roof over false ceiling if it is of steel structural or form ceiling and not by the false ceiling board. The arrangement shall be to the approval of purchaser. The erection rate of lighting fixtures shall include the supply of steel brackets, supporting, anchoring material, hardware and also steel brackets/ hangers for bridging the gap above false ceilings, etc., required for installation of lighting fixtures as shown in the approved fixture mounting arrangement drawings as per Annexure-2 of Chapter XI.</p>	<p>In the rooms where false ceilings are provided, the lighting fixtures shall be supported separately by false ceiling grid of roof over false ceiling if it is of steel structural or form ceiling and not by the false ceiling board. The arrangement shall be to the approval of purchaser.</p> <p style="color: blue;">The erection (excluding supply) of lighting fixtures shall include the installation of steel brackets, supporting, anchoring material, hardware and steel brackets/ hangers for bridging the gap above false ceilings, etc., required for installation of lighting fixtures as shown in the approved fixture mounting arrangement drawings as per Annexure-2 of Chapter XI.</p>																																								
5.	New Clause  TCC Clause No.2.9.5		<p style="color: blue;">J-Poles: Fabrication and erection of J-Poles shall be carried out using 40 mm diameter metal conduit, which shall be formed into J-Poles without causing any tearing or compromise to the material properties of the conduit. Lighting fixtures shall be securely welded at one end of the J-Pole to facilitate illumination at the Boiler and ESP platforms.</p>																																								
6.	TCC 6.4	<p>The contractor has to subsequently augment his resources in such a manner that following major milestones of erection &amp; commission are achieved on specified schedules:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 35%;">MAJOR MILESTONE</th> <th style="width: 20%;">Tentative Schedule</th> <th style="width: 20%;">Tentative Schedule</th> </tr> <tr> <td></td> <td></td> <th style="text-align: center;">Unit-1</th> <th style="text-align: center;">Unit-2</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>ND HYDRO TEST</td> <td style="text-align: center;">8<sup>th</sup> Month</td> <td style="text-align: center;">10<sup>th</sup> Month</td> </tr> <tr> <td style="text-align: center;">2</td> <td>BOILER LIGHT UP</td> <td style="text-align: center;">10<sup>th</sup> Month</td> <td style="text-align: center;">12<sup>th</sup> Month</td> </tr> <tr> <td style="text-align: center;">3</td> <td>SYNCHRONIZATION</td> <td style="text-align: center;">14<sup>th</sup> Month</td> <td style="text-align: center;">16<sup>th</sup> Month</td> </tr> </tbody> </table>	S. No.	MAJOR MILESTONE	Tentative Schedule	Tentative Schedule			Unit-1	Unit-2	1	ND HYDRO TEST	8 <sup>th</sup> Month	10 <sup>th</sup> Month	2	BOILER LIGHT UP	10 <sup>th</sup> Month	12 <sup>th</sup> Month	3	SYNCHRONIZATION	14 <sup>th</sup> Month	16 <sup>th</sup> Month	<p>The contractor has to subsequently augment his resources in such a manner that illumination readiness for following major milestones are achieved on specified schedules:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 35%;">ILLUMINATION READINESS FOR MAJOR MILESTONE</th> <th style="width: 20%;">Tentative Schedule</th> <th style="width: 20%;">Tentative Schedule</th> </tr> <tr> <td></td> <td></td> <th style="text-align: center;">Unit-1</th> <th style="text-align: center;">Unit-2</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>ND HYDRO TEST</td> <td style="text-align: center;">8<sup>th</sup> Month</td> <td style="text-align: center;">10<sup>th</sup> Month</td> </tr> <tr> <td style="text-align: center;">2</td> <td>BOILER LIGHT UP</td> <td style="text-align: center;">10<sup>th</sup> Month</td> <td style="text-align: center;">12<sup>th</sup> Month</td> </tr> <tr> <td style="text-align: center;">3</td> <td>SYNCHRONIZATION</td> <td style="text-align: center;">14<sup>th</sup> Month</td> <td style="text-align: center;">16<sup>th</sup> Month</td> </tr> </tbody> </table>	S. No.	ILLUMINATION READINESS FOR MAJOR MILESTONE	Tentative Schedule	Tentative Schedule			Unit-1	Unit-2	1	ND HYDRO TEST	8 <sup>th</sup> Month	10 <sup>th</sup> Month	2	BOILER LIGHT UP	10 <sup>th</sup> Month	12 <sup>th</sup> Month	3	SYNCHRONIZATION	14 <sup>th</sup> Month	16 <sup>th</sup> Month
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9.	TCC 7.17	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Fabrication, erection, alignment, welding /bolting of earthing / lightning protection strips; earth pits Completion</td> <td style="width: 40%; text-align: center;">65%</td> </tr> <tr> <td>Testing / commissioning</td> <td style="text-align: center;">25%</td> </tr> </table>	Fabrication, erection, alignment, welding /bolting of earthing / lightning protection strips; earth pits Completion	65%	Testing / commissioning	25%	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Fabrication, erection, alignment, welding /bolting of earthing / lightning protection strips; earth pits Completion</td> <td style="width: 40%; text-align: center; color: blue;">90%</td> </tr> <tr> <td>Deleted</td> <td></td> </tr> </table>	Fabrication, erection, alignment, welding /bolting of earthing / lightning protection strips; earth pits Completion	90%	Deleted	
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10.	TCC Chapter -XII  Page No 69 to 72	Schedule of items (R0)	Revised Schedule of items (R1) attached with this corrigendum.								
11.	TCC Page No. 58 to 66 Chapter IX	<b>Heading of the chapter:</b>  CHAPTER-X: SPECIFIC INCLUSION & EXCLUSIONS	<b>Heading of the chapter:</b>  <b>CHAPTER-IX: GENERAL CONDITIONS</b>								

**B) Some of the Bidders sought clarifications in regard to the published tender specification. The clarifications/modifications issued by BHEL are as below:**

SI. No.	Reference Tender Document	Reference clause	Existing Provision	Bidder's query	BHEL's Clarification
1		PEM Technical Specifications (Page No. 58)		Page No. 58 onwards regarding Unpriced Schedule for supply of Luminaire Fittings, Drivers etc. does not seem to be applicable in this tender.	Bidder's understanding is correct.
2	TCC	Cl. No. 2.2.3	Supply of necessary hardware (As per Tentative List of Consumables given in Annexure-1 of Chapter-XI) such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball & sockets, earth clips, fan boxes,	As per Cl. No. 2.2.3, Double Compression Glands are included in Bidder's Scope, but as per Exclusion List Metallic Cable Glands is covered in BHEL Scope	Double Compression Glands is not in bidder's scope of supply. Bidder to refer Sl. No. A) 2 of attached corrigendum above.

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			clamps, screws, pull out boxes etc. are in the scope of bidder. No separate rate shall be payable for the above.		
3	TCC	Cl. No. 3.10	LAND :	No labour accommodation will be provided for labour, but as per tender BHEL shall reimburse the lease rent for land used (Cl. No. 3.10). In place of land, any accommodation such as rooms, buildings, house for labours / staffs etc. Should be also considered.	Tender specification is clear in this regard
4	TCC	Chapter-2, Clause No. 2.2.3	states that the supply of necessary hardware includes double compression glands, whereas in Chapter-10, Clause No. 10.2.1, metallic glands are in BHEL scope.	As mentioned in Chapter-10, all hardware shall be in the bidder's scope as per Annexure-1; however, the tentative list of consumables does not include glands. As discussed during the meeting, it was stated that glands will be excluded from the bidder's supply scope. Please confirm.	Double Compression Glands is not in bidder's scope of supply. Bidder to refer Sl. No. A) 2 of attached corrigendum above.
5	TCC	Clause No. 2.2.5	The contractor shall be responsible if any parts of lighting fixtures, LDBs, LPs are lost or damaged and lamps are broken during installation. All damage and thefts shall be made good by the contractor till the installation is handed over to the customer	We agree with this point until our installation is complete. After that, it should be amended such that if any damage or theft occurs not due to the contractor after installation, then it shall be provided by BHEL, and we shall not be responsible till handover to the customer, as this duration is too long for an illumination work. This point was also agreed upon in the meeting, and you mentioned that it would be amended and considered.	Bidder to Refer Sl. No. A) 3 of attached corrigendum above.
6	TCC	Clause No. 2.3.8	The erection rate of lighting fixtures shall include the supply of steel brackets, supporting, anchoring material, hardware, and also steel brackets/hangers for bridging the gap above false ceilings, etc., required for installation of lighting fixtures as shown in the approved fixture mounting arrangement drawings as per Annexure-2 of Chapter XI.*	As this supply material is a capitalized item, it should be under BHEL scope. During the meeting, it was stated that it should be taken accordingly.	Please note that Accessories related to mounting of fixtures are in fixture vendor scope of supply. Erection of Structural steel is already part of Main BOQ. Bidder to Refer Sl. No. A) 4 of attached corrigendum above.
7	TCC	Clause No. 6.4		The tentative schedule of major milestones should be considered according to our scope of work. As discussed during the meeting, major milestones like hydro test, boiler light-up, etc., are not directly related to our illumination work. In case the hydro	Bidder to Refer Sl. No. A) 6 of attached corrigendum above.

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SI. No.	Reference Tender Document	Reference clause	Existing Provision	Bidder's query	BHEL's Clarification
				test is completed in the 4th month after our starting work, then it should be treated as per our illumination work-related schedule and completion.	
8	TCC	Clause No. 7.1.1 (b)	Final painting is taken as 15% of the payment breakup.	As the light poles, fittings, and accessories are hot-dip galvanized, they do not require painting. Therefore, allocating such a high percentage for final painting is excessive, as only minor touch-up painting may be required. Kindly revise this term and increase the percentage under the light pole erection head, as pole erection involves additional costs such as hydra, farana, etc.	Tender specification is clear in this regard.
9	TCC	Clause No. 7.1.3 (b)	Pulling and termination of wires and earth wires is taken as 25% of the payment. This may not be necessary in the conduit section, as wire-related breakup can be considered in Clause 7.1.6 under cables/wires. Therefore, we request you to revise the conduit breakup and increase the percentage for conduit erection and fitting.	As per the given 65% according to conduit philosophy, it is not feasible. As you know, all conduit accessories are included in consumable items, which accounts for approximately 20% of the cost. From the remaining 40%, 5% is retained, 5% is in the form of BG, 2% as per TDS, and 2% as IGST TDS, leaving only 26%. At this cost, execution becomes difficult and the contractor's survival cost is not met. Kindly consider the facts and do the needful.	Refer SI. No. A) 7 of attached corrigendum above.
10	TCC	Clause No. 7.1.7 (b)		Testing/commissioning is holding 25% of the payment, whereas there is no testing and commissioning involved in earthing work. Kindly consider this point as discussed in the meeting and amend this payment clause. This portion may be added to fabrication, erection, and alignment only.	Refer SI. No. A) 9 of attached corrigendum above.
11	TCC	Clause No. 7.2	Milestone Payments -	As discussed during the meeting, milestones such as boiler light-up, rolling and synchronization, full load, COD, etc., are not directly related to our scope of work, it should be limited to illumination work. Therefore, we request you to amend the milestones to align with illumination readiness and completion for boiler light-up and based on the area covered within our scope.	Tender Conditions shall prevail.

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Sl. No.	Reference Tender Document	Reference clause	Existing Provision	Bidder's query	BHEL's Clarification
12	NIT	31.0		Whether for above Works Contract, Cl. No. 31.0 regarding submission of Self- Declaration of Local Content as per Annexure-9 for Preference to Make in India is applicable.	Refer Note Sl. No. 1 & 2 of Format – Annexure-9 attached in NIT. Tender Conditions prevail.
13	NIT	9.0		First Timer Bidder is not eligible for the future BHEL Tenders till the tag of First Timer is removed which may take at least 20 months (if completed in time else will be extended). Whether the first timer tag is applicable in case of parallelly participating / participated as Consortium Bidder / Parent / Subsidiary company in another tender of BHEL.	Refer Clause 9.0 of NIT. Tender Conditions prevail.
14	GCC	2.13		Whether recovery of Interest Free Secured Mobilisation Advance as mentioned in Cl. No. 7.4 will be done from the 1st running bills or after completion of contract.	Bidder is requested to refer Clause 2.13 of GCC & Clause 7.4 of TCC. Tender Conditions prevail.

**C) Revised BOQ Cum Rate Schedule (R1) is attached herewith.**

**Note:**

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

**for BHARAT HEAVY ELECTRICALS LTD  
Manager/ SCT- CPC**

## Corrigendum - 2 dated 07/04/2026

**Revised BOQ - R1**

Sl.No	DESCRIPTION	UOM	Qty	Weightage
<b>E5J</b>	<b>PLANT ILLUMINATION PACKAGE (LIGHTING SYSTEM)</b>			
<b>E5J.1</b>	<b>LIGHTING DISTRIBUTION BOARD (LDB)</b>			
E5J.1.01	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 1 No 100kVA transformer)	Nos.	20	0.0042627704
E5J.1.02	100kVA transformer for housing in E5J.1.01 above. Normal encapsulated type.	Nos.	20	0.0020012722
E5J.1.03	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 2 No 100kVA transformer)	Nos.	6	0.0012788311
E5J.1.04	100kVA transformer for housing in E5J.1.03 above. Normal encapsulated type.	Nos.	12	0.0012007633
E5J.1.05	DCLDB Type LDB-D (12)	Nos.	6	0.0007691674
E5J.1.06	AC WDB Type WDB-H (12) without transformer (including cubicles suitable for 1 No 100kVA transformer)	Nos.	8	0.0016769014
E5J.1.07	100kVA transformer for housing in E5J.1.06 above.	Nos.	8	0.0009566649
E5J.1.08	AC LDB Type LDB-F (8) without transformer (including cubicles suitable for 2 No 50kVA transformer)	Nos.	5	0.0009788048
E5J.1.09	50kVA transformer for housing in E5J.1.08 above.	Nos.	10	0.0009933896
<b>E5J.2</b>	<b>LIGHTING PANELS (LP)</b>			
E5J.2.01	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	53	0.0023304488
E5J.2.02	AC Normal /Emergency outdoor Type LP – A (12) [with timer]	Nos.	76	0.0036727597
E5J.2.03	AC Normal (Decorative) Type LP – A (12)	Nos.	35	0.0016912912
E5J.2.04	AC Normal /Emergency indoor Type LP – A (18) ) [with timer]	Nos.	47	0.0026539309
E5J.2.05	AC Normal /Emergency outdoor Type LP – A (18) [with timer]	Nos.	20	0.0010944984
E5J.2.06	Street Lighting Type LP – S (6)	Nos.	17	0.0006632923
E5J.2.07	DC indoor Type LP – D (12)	Nos.	32	0.0012601393
E5J.2.08	DC outdoor Type LP – D (12)	Nos.	17	0.0006731635
<b>E5J.3</b>	<b>LIGHTING LUMINAIRES (COMPLETE WITH ACCESSORIES)</b>			
E5J.3.01	Luminaire Type FC06	Nos.	4487	0.0390122337
E5J.3.02	Luminaire Type FC07-DC	Nos.	519	0.0042685246
E5J.3.03	Luminaire Type FC30	Nos.	1912	0.0157073037
E5J.3.04	Luminaire Type FC33-DC	Nos.	126	0.0010363024
E5J.3.05	Luminaire Type FC34-DC	Nos.	487	0.0039706104
E5J.3.06	Luminaire Type FC81	Nos.	463	0.0037988069
E5J.3.07	Luminaire Type SF63	Nos.	122	0.0015013397
E5J.3.08	Luminaire Type SF66	Nos.	31	0.0004580997
E5J.3.09	Luminaire Type SB02	Nos.	789	0.0091184273
E5J.3.10	Luminaire Type SB03	Nos.	207	0.0027518634
E5J.3.11	Luminaire Type SB11	Nos.	298	0.0035022140
E5J.3.12	Luminaire Type SS62	Nos.	991	0.0094963096
E5J.3.13	Luminaire Type SS63	Nos.	362	0.0034688933
E5J.3.14	Luminaire Type SW41	Nos.	6627	0.0562987309
E5J.3.15	Luminaire Type SW42	Nos.	2728	0.0250956550
E5J.3.16	Luminaire Type MW96	Nos.	301	0.0031604095
E5J.3.17	Luminaire Dimmable Downlighter (15-18W)	Nos.	27	0.0002580061

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Sl.No	DESCRIPTION	UOM	Qty	Weightage
E5J.3.18	Luminaire Type Downlighter (15-18W)	Nos.	593	0.0056665781
E5J.3.19	Cove Light- LED (5m strip)	Nos.	499	0.0047683347
<b>E5J.4</b>	<b>SWITCH BOXES</b>			
E5J.4.01	Type SWB1 Decorative	Nos.	79	0.0005030495
E5J.4.02	Type SWB2 Decorative	Nos.	160	0.0010305214
E5J.4.03	Type SWB3 Decorative	Nos.	15	0.0001050698
E5J.4.04	Type SWB4 Decorative	Nos.	110	0.0010105709
E5J.4.05	Type SWB5 Decorative	Nos.	5	0.0000459368
<b>E5J.5</b>	<b>JUNCTION BOXES</b>			
E5J.5.01	Type JB-F	Nos.	19770	0.0970043086
E5J.5.02	Type JB-FE	Nos.	524	0.0026845707
<b>E5J.6</b>	<b>RECEPTACLES</b>			
E5J.6.01	Type RA	Nos.	549	0.0036911767
E5J.6.02	Type RA (Flame proof)	Nos.	2	0.0000145973
E5J.6.03	Type RB	Nos.	757	0.0057714199
E5J.6.04	Type RC	Nos.	316	0.0038419164
E5J.6.05	Type RC (Flame proof)	Nos.	2	0.0000318685
E5J.6.06	Type RD	Nos.	2	0.0000393951
<b>E5J.7</b>	<b>FANS WITH ELECTRONIC REGULATORS</b>			
E5J.7.01	1200 mm sweep	Nos.	20	0.0001479423
<b>E5J.9</b>	<b>POLES INSTALLATION INCLUDING ALL ACCESSORIES. (SWAGED, STEEL TUBULAR, GALVANIZED)</b>			
E5J.9.01	Octagonal Pole Type PS1 (9m)	Nos.	237	0.0218211778
E5J.9.02	Octagonal Pole Type PS2 (11m)	Nos.	327	0.0315290674
E5J.9.03	Octagonal Pole Type PF1 (9m)	Nos.	64	0.0063482452
E5J.9.04	Fabrication of J-Poles	Nos.	3020	0.0206982761
<b>E5J.10</b>	<b>WIRES (LAYING &amp; TERMINATION)</b>			
E5J.10.01	1x1.5sqmm Cu PVC	Meter	969328	0.0272377470
E5J.10.02	1x4sqmm Cu PVC	Meter	106032	0.0081884140
<b>E5J.11</b>	<b>HOT DIP GALVANISED RIGID STEEL CONDUITS (HEAVY DUTY)</b>			
E5J.11.01	20 mm dia GI conduit, 1.6 mm thick	Meter	311154	0.3728416993
E5J.11.02	25 mm dia GI conduit, 1.6 mm thick	Meter	38518	0.0499330835
E5J.11.03	40 mm dia GI conduit, 2 mm thick	Meter	16751	0.0255571238
E5J.11.04	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	Meter	5296	0.0074812358
<b>E5J.12</b>	<b>24V SUPPLY MODULE &amp; LAMP UNIT COMPLETE WITH ALL ACCESSORIES</b>			
E5J.12.01	Fixed type 24V supply modules	Nos.	74	0.0006250002
E5J.12.02	Portable type 24V supply modules	Nos.	11	0.0000667720
E5J.12.03	Portable halogen lamp unit	Nos.	11	0.0000496551
E5J.12.04	5A, 24V industrial type sockets	Nos.	168	0.0009167316
E5J.12.05	Exit Sign	Nos.	131	0.0019127662
E5J.12.06	Occupancy Sensor	Nos.	94	0.0002527237
E5J.12.07	Lighting Dimmer System	Nos.	1	0.0001179283

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SI.No	DESCRIPTION	UOM	Qty	Weightage
E5J.13	Structure Steel Fabrication & Installation (MS Angle,Channel,Plate Etc)	MT	40	0.0092679564
E5J.14	<b>LAYING &amp; TERMINATION OF CABLES</b>			
E5J.14.01	3.5Cx95 sqmm Al	Meter	30915	0.0247143418
E5J.14.02	3.5Cx50 sqmm Al	Meter	25965	0.0159195081
E5J.14.03	3Cx2.5 sqmm Cu	Meter	6300	0.0013238642
E5J.14.04	2Cx95 sqmm Al	Meter	7920	0.0036409042
E5J.14.05	2Cx10 sqmm Al	Meter	10800	0.0020362638
E5J.15	<b>ABOVE GROUND EARTHING &amp; LIGHTNING PROTECTION MATERIALS</b>			
E5J.15.01	14SWG GI wire	Meter	292500	0.0138007338
E5J.15.02	50x6mm GI flat	Meter	270	0.0002749924
E5J.15.03	25x3mm GI flat	Meter	900	0.0007138986
E5J.15.04	40mm dia MS Rod of 3 Meter length each	Nos.	603	0.0112040996
E5J.15.05	8 SWG GI wire	Meter	2412	0.0001656029
E5J.16	<b>HUME PIPE</b>			
E5J.16.01	Hume pipe 100 mm dia	Meter	500	0.0011429138
E5J.17	<b>LAYING &amp; TERMINATION OF CABLES (ARMOURED CABLES TO BE BURIED UNDERGROUND)</b>			
E5J.17.01	3.5Cx25sqmm Al	Meter	500	0.0008160942
E5J.17.02	3.5Cx50sqmm Al	Meter	500	0.0009327325
E5J.17.03	3.5Cx95sqmm Al	Meter	500	0.0010493709
<b>ILLUMINATION PACKAGE Talcher Unit # 1 &amp; 2</b>				<b>1.0000000000</b>