

SIJIL GUNA PAKAI

CERTIFICATE OF PRODUCT ACCEPTANCE



**TENAGA
NASIONAL BERHAD**

Serial No : D2016-0100

Manufacturer / Assembler
WINABUMI SDN. BHD.
Batu 7, Jalan Tuaran
89357 Inanam
Kota Kinabalu
Sabah

Item / Equipment
PRE-STRESSED SPUN CONCRETE POLES

Make / Model
WINABUMI
i) 7.5m-10-1.1kN
ii) 9.0m-14-2.0kN
iii) 10.0m-19-5.0kN

Qualification

Based on the assessment by TNBR QATS Sdn. Bhd., the above equipment has complied with the specified requirements of TNB Technical Specification named below and is hereby accepted for use in the TNB system.

TNBD Technical Specification :
SESB : ENG / 01003 : 2012 (Approved Date : 14th August 2012)
Specification For Pre-Stressed Spun Concrete Poles

This certificate shall be read together with the attachment(s).

Bahagian Pembahagian
Tenaga Nasional Berhad
Aras 11, Wisma TNB
No.19, Jalan Timur
46200 Petaling Jaya
Selangor Darul Ehsan


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Certified since : 18th July 2013

<http://www.tnb.com.my> Validity period : 18th July 2016 to 17th July 2019

Certification is subject to the terms and conditions overleaf



Serial No : D2016-0100

A) Technical Drawings

| No. | Parts / Components | Drawing No. | Drawing Quantity | Approving Authority / Date |
|-----|--------------------|----------------------------|------------------|--|
| 1. | 7.5m-10-1.1kN | WB / SESB / PSLP / 5510-06 | 1 | SESB / 14 th August 2012 |
| 2. | 9.0m-14-2.0kN | WB / SESB / PSLP / 5530-06 | 1 | |
| 3. | 10.0m-19-5.0kN | WB / SESB / PSLP / 5540-06 | 1 | |

B) Source of Key Raw Materials / Components / Sub-assemblies

| No. | Material / Component | Brand | Model / Grade | Country of Origin |
|-----|----------------------------|------------|---------------------|-------------------|
| 1. | Cement | Cap Gajah | OPC-CEM1 | Malaysia |
| 2. | Fine Aggregate | N/A | Zon 2 | Malaysia |
| 3. | Coarse Aggregate | N/A | Zon 1 | Malaysia |
| 4. | Hard Drawn Low Carbon Wire | N/A | Steel Wire 2.7mm | Malaysia |
| 5. | PC Wire | N/A | G1670 Indent | Malaysia |
| 6. | Admixture | Real Power | Real Set 233 | Malaysia |
| | | | Real Power Flow 3GS | Malaysia |

N/A = Not Available
C) Key Manufacturing Processes

| No. | Key Manufacturing Processes | Manufactured By / Location |
|-----|-----------------------------|--|
| 1. | Manufacturing | Winabumi Sdn. Bhd., Kona Kinabalu, Sabah. |
| 2. | Testing | |

 This certificate is valid from 18th July 2016 to 17th July 2019

TERMS & CONDITIONS FOR CERTIFICATE

- *This certificate is issued by the Asset Management, Distribution Division, TNB for the Second Party Product Certification Scheme service provided by TNBR QATS Sdn. Bhd. and is exclusively for products used within the Tenaga Nasional Berhad's business operation system.*
- *During the period of certification, the certificate holder shall not vary the product design, material, construction and manufacturing process or plant under which this certificate is issued.*
- *Any changes as stated above shall be made in writing to TNBR QATS Sdn. Bhd. and shall be subject to the appropriate procedures imposed by the scheme.*
- *This certificate is the document of approval of the specified item or equipment stating the acceptance of its usage in Tenaga Nasional Berhad only, without any obligation to purchase the item or equipment from the manufacturer / assembler.*
- *Tenaga Nasional Berhad reserves the right to withdraw/cancel this Certificate of Product Acceptance with or without any notification if there is any deviation or omission from the sample item or equipment tested.*
- *Tenaga Nasional Berhad has the right to withdraw / cancel this Certificate of Product Acceptance if the equipment is no longer used in the Tenaga Nasional Berhad's system.*
- *The manufacturer / assembler shall be required to go through existing procurement procedures and regulations of TNB should they intend to market this item or equipment to Tenaga Nasional Berhad.*
- *This Certificate of Product Acceptance does not exempt the item or equipment from Acceptance Tests as required by Tenaga Nasional Berhad.*
- *Tenaga Nasional Berhad reserves the right to request for further tests to be carried out by manufacturer / assembler whenever the specification of the item/ equipment is reviewed or changed.*
- *This Certificate of Product Acceptance is subjected to periodic reviews based on the field performance of the item or equipment in the Tenaga Nasional Berhad system.*
- *Tenaga Nasional Berhad has the right to withdraw / cancel this Certificate of Product Acceptance and reject usage of the equipment/item if it is found to be defective in design or quality during its usage in the Tenaga Nasional Berhad system.*
- *This Certificate of Product Acceptance is only valid for the period stated in the certificate. If so desired, the manufacturer / assembler needs to apply for a re-certification. Tenaga Nasional Berhad shall review the performance of the equipment/item and may subject it to other test requirements if necessary, before re-certifying the validity period of the said certificate.*