



AKN POWER (INDIA) Pvt. Ltd.

Reg. Add. & Corporate: Plot No. 119, Shri Ram Colony, Hoshangabad Road, Misrod Bhopal (M.P.)-462047
Off. Ph.: 0755-4011963, M.: 9981190089, 8319251797

Reg Under:- Sub-Section (2) of section 7 of Companies Act, 2013
Email: aknpower.carrier@gmail.com, Website: www.aknpower.in

WORK ORDER

AMC FOR SOLAR POWER PANEL PLANT 300KWP

SITE: INDEX MEDICAL COLLEGE HOSPITAL & RESEARCH CENTER

ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 238480/-

START DATE : 01/01/2022 END DATE : 31/12/2022

1. WE WILL DESIGN AND PROVIDE MAINTENANCE CHECK SHEET FOR SOLAR POWER PANEL.
A.DAILY REPORT,B.WEEKLY REPORT,C.MONTHLY REPORT,D.YEARLY REPORTS.
2. CHECK SHEET REQUIRED FOR FOLLOWING EQUIPMENTS: -
1.SOLAR PHOTO VOLTAIC CELL, 2. SOLAR STRUCTURAL STRENGTH. 3.SOLAR INVERTER, 4. PROTECTION.
5.TRIPPING PARAMETERS., 6. EARTHINGS. 7.SCADA ANALYSIS.8. NET METER. 9.LIGHTING ARRESTER.
10.LOOSE CONNECTION. 11.OTHER PARTS.

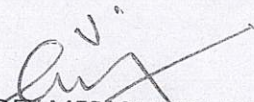
Nemawar Road, --

ANNUAL MAINTANANCE CONTRACT COVERED:-

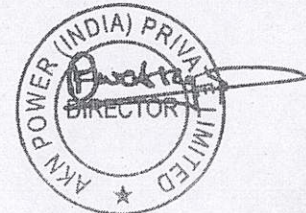
PREVENTIVE MAINTENANCE. 2.CORRACTIVE MAINTENANCE. 3.EMERGENCY CALL.

NOTE:-ALL RELEVANT TECHNICAL, CHECK DOCUMENTS LIKE CHECK SHEET, ANNUAL PREVENTIVE MAINTENANCE CHART, MAINTENANCE TOOL, FEED BACK FORMS ETC. SHALL BE PROVIDE AFTER FINALIZED OF P.O.AND BEFORE START JOB.

1. CLEANING SOLOR PANELS ON DAILY BASIS.
2. CHEMICAL CLEANING OF PANELS IN OUR SCOPE BUT QUALITY / GRADE APPROVAL BY US.
3. OUR TWO EMPLOYEE ARE REPORTING ON COMING TIME 9.00 AM AND GOING TIME 5.00 PM IN EVERY DAY AND ONE SUPERVISOR VISIT TWICE IN A WEEK .
4. ALL TOOLS AND TEKALS, CHEMICAL AND WORKMAN IN OUR SCOPE.
5. GUARANTEE OF MAXIMUM GENERATION OF SOLAR POWER PLANT


INDEX MEDICAL COLLEGE
(PURCHASE) **Ghanshyam Vishwakarma**
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)



AKN POWER INDIA PVT LTD
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SITE: INDEX MEDICAL COLLEGE HOSPITAL & RESEARCH CENTER

ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 223400/-

START DATE : 01/01/2021 END DATE : 31/12/2021

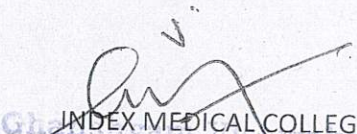
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5.TRIPPING PARAMETERS., 6. EARTHINGS. 7.SCADA ANALYSIS.8. NET METER. 9.LIGHTING ARRESTER.
10.LOOSE CONNECTION. 11.OTHER PARTS.

ANNUAL MAINTANANCE CONTRACT COVERED: -

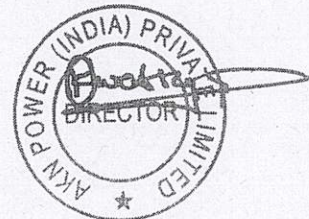
PREVENTIVE MAINTENANCE. 2.CORRECTIVE MAINTENANCE. 3.EMERGENCY CALL.

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WORK ORDER

AMC FOR SOLAR POWER PANEL PLANT 300KW

SITE: INDEX MEDICAL COLLEGE HOSPITAL & RESEARCH CENTER

ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 210000/-

START DATE : 01/01/2020 END DATE : 31/12/2020

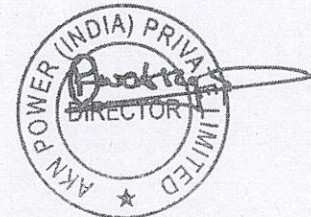
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ANNUAL MAINTANANCE CONTRACT COVERED: -

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ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 189000/-

START DATE : 01/01/2019 END DATE : 31/12/2019

1. WE WILL DESIGN AND PROVIDE MAINTENANCE CHECK SHEET FOR SOLAR POWER PANEL.
A.DAILY REPORT,B.WEEKLY REPORT,C.MONTHLY REPORT,D.YEARLY REPORTS.
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ANNUAL MAINTANANCE CONTRACT COVERED:-

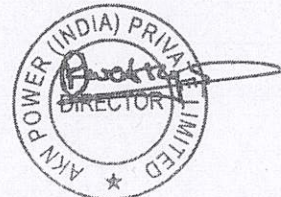
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ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 168700/-

START DATE : 01/01/2018 END DATE : 31/12/2018

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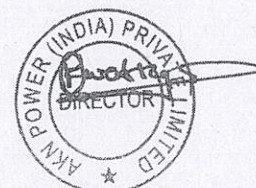
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ADDRESS: NEMAWAR RD, POST BAVLIA NEAR KHUDEL, VILLAGE, INDORE, MADHYA PRADESH 452016

PROJECT COST: 156700/-

START DATE : 01/01/2017 END DATE : 31/12/2017

1. WE WILL DESIGN AND PROVIDE MAINTENANCE CHECK SHEET FOR SOLAR POWER PANEL.
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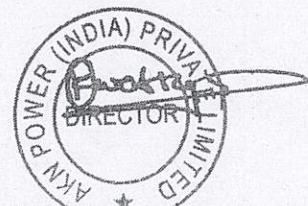
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Index Medical College,
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AKN POWER INDIA PVT LTD
(DIRECTOR)


Registrar
Malwanchal University
Indore (M.P.)

Invoice
(Rule 11 of the Central Excise Rules 2002)

NORDIC (INDIA) SOLUTIONS PVT. LTD. Plot No. 1, Phase 1, Sector 10, Gurgaon, Haryana Distt. Gurgaon, Haryana Pin Code - 122001 Tel: 01299-421111 Fax: 01299-421112 E-mail: sales@nordicindia.com Website: www.nordicindia.com		PAN/EP DIVISION COMM. OPERAT RANGE ADDRESS IV Floor, Nandanam chinnai, 600 035	GUNDRY No. Chennai 190 EVR, P. No. 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000			
Billing Address M/s. Toyo Engineering India Pvt Ltd, 1/10, Mrs. Kwart Solutions Pvt. Ltd 2nd Floor, Ash 5, nepal square, Sukhbiya, Indore - 452011 (Madhya Pradesh)		DC No Date Tariff heading No S.No in PEA / CEM/AT	Original for Buyer Invoice No: 319/16-17 Date: 28.11.2016 Pre-Auth. No: 1644PLB-41 Payable			
Your P.O. No: PRC/6353/P/ACDB dt: 26.09.16 TIN: 13559196510 CST No: ECC CODE:		Time of preparation of invoice: 14:17 PM Time of Removal of Goods: 14:45 PM				
S. NO 1 2		DESCRIPTION OF GOODS 1 No. 2 Out ACDB 1 No. 1 Out ACDB	UOM Nos Nos	QTY 1 1	RATE Rs. 57,000 Rs. 72,500	AMOUNT Rs. 57,000 Rs. 72,500
Delivery Address: Mrs. Indira Medical College Hospital & Research Center, 1/10, Mrs. Kwart Solutions Pvt Ltd Mrs. Toyo Engineering India Pvt Ltd Index City, Near Khudol, NH-59A, Nemawar Road, Indore (MP) - 452018 Contact: Mr. Sandip Halder Tel. No. 9821166098		NOTE: CST 2% Against Form C (or) 14.5% Excise Duty Exempted against MNRE Certificate No: SP/00183/2016-2017(1)				
Mode of Packing: Mode of Despatch:		Total Quantity: 2				
Excise Duty Payable in words:		Total value of Goods: 129,500				
EXEMPTED: C/D Cess payable in words: Nil Only		Excise Duty: 12,500 Exempt				
SHE Cess Payable in words: Nil Only		Cess - Ed.: 2% 0 SHE Cess: 1% 0 EXEMPTED				
Total amount in words:		TOTAL: 129,500				
One Lakh Thirty Five Thousand and Ninety Only		CST @ 2%: 2% 7590 Freight Charges: 3000 Packing Charges: 0				
		GRANT TOTAL: 135,090				
Certified that the contents mentioned above are true and correct and the amount indicated represents the amount payable and that it is not flow additional generation directly or indirectly from the buyer		for NORDIC (INDIA) SOLUTIONS PVT. LTD. DIRECTOR				
TERMS OF SALE: 1. Delivery shall be made within 15 days of receipt of order. 2. Seller shall be responsible for the transportation of goods to the buyer. 3. Buyer shall pay the invoice amount within 15 days of receipt of goods. 4. All disputes shall be referred to the court of law at Indore.		(Stamp and Signature) DIRECTOR				

Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)

Registar
 Malwanchal University
 Indore (M.P.)

INVOICE CUM CHALLAN

For Removal of Excisable Goods from factory or warehouse on payment of duty under Rule 11 of Central Excise Rules 2002

ABB INDIA LIMITED (Formerly Known as ABB Limited) Sy.No. 88/3 & 88/4, Basavanahalli Village, Kasaba Hobli, Nelamangala Taluk, Bangalore Rural - 562 123. Tel : 22946895, 22946870. Fax : 080-22946600	INVOICE 	Central Ex. Inv. No. 0169513024	DATE : 28.11.2016 INVOICE No. 1610381308 OUR REF 4201282991 Company Code IN01 Plant INYE CUST PO REF PRC/6353/Inverters dtd. 23.09.2016 Customer Code 2100005053 Consigned To Mumbai, MH Consigned from NELAMANGALA, BANGALORE Cust ST No. 27060106809C Cust LST No. TIN NO:27060106809V Freight status ABB India Ltd Insurance status ABB India Ltd Consignee ST No. 23559196510 Consignee LST No. 23559196510
To, Toyo Engineering India Pvt Ltd (formerly Toyo Engineering India Lt Toyo House, Kanjur Marg (West), LBS Marg, 400078 MUMBAI MAHARASHTRA			
CONSIGNEE TOYO ENGINEERING INDIA PVT LTD A/c.M/s.Kwatt Solution Pvt Ltd M/s.Index Medical Collage Hospital Research Centre, index City, Near Kh NH-59A, Nemawar Road, 452016 Indore MADHYA PRADESH			

P.O. SL. NO.	PARTICULARS	UOM. INYE	QUANTITY	UNIT PRICE Rs. Ps.	ASSESSABLE VALUE Rs. FOR Psite
	Solar Inverter				
000010	TRIO-50.0-TL-OUTD-POWER MODULE DCWB-SX-TRIO-50.0-TL-OUTD/12 INPUTS ACWB-SX-TRIO-50.0-TL-OUTD WALL MOUNTING BRACKET;TRIO-50.0 1 CHAPTER: 8504 40 10 ED% 0.00 ECSS% 0 SHECSS% 0 ED AMT	PC	7.000	315000.00	2205000.00
CLEARANCE AGAINST EXEMPTION NOTIFICATION NO.15/2010-C.E. MNRE NO.SP/00183/2016-2017(2-4) Date:23.11.2016 Verification Code No.NMSQSPKWS161125 Date:25.11.2016 ***** Sales Tax Nil against Notification No.FD 71 CSL 2015 dtd.01.08.2015					

TERMS OF PAYMENT 10% against submission of Invoice and balance 90% within 7 days of submission of dispatch docs. DATE & TIME OF ISSUE 28.11.2016 16:29:37 DATE & TIME OF REMOVAL 28.11.2016 16:29:37	TOTAL TRANSACTION VALUE TAXABLE AMOUNT TOTAL INV VALUE NET PAYABLE VALUE	2205000.00 2205000.00 2205000.00 2205000.00
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	------------------------------------------------------

DECLARATION: CERTIFIED THAT THE PARTICULARS GIVEN ABOVE ARE TRUE AND CORRECT AND THE AMOUNTS INDICATED REPRESENTS THE PRICE ACTUALLY CHARGED AND THAT THERE IS NO FLOW OF ADDITIONAL CONSIDERATION DIRECTLY OR INDIRECTLY FROM THE BUYER.

TIN / CST : 29120069228 CEN No : L32202KAT949PLC032923
 INCOME TAX PAN NO. AAAC43314B Central Excise LTV Bangalore JSS Towers,
 REG/EC No. AAAC43314B MTC Bangalore Ring Road, Banashankari 3rd Stage,
 Bangalore - 560075 HUBBARE THOUSAND AND PAISE ZERO ONLY

INVOICE : RS. ZERO AND PAISE ZERO ONLY

EXCISE DUTY : RS. PAYABLE

Authorised Signatory

E.&O.E. Corporate Office & Regd. Office : ABB INDIA LIMITED, (Formerly Known as ABB Limited) 21st Floor, World Trade Center, Brigade Gateway, No.26/1, Dr. Rajkumar Road, Malleswaram West, Bengaluru - 560 055 P.T.O.

Ghanshyam Vishwakarma

Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)

04

Registrar
 Malwanchal University
 Indore (M.P.)



kWatt Solutions Pvt. Ltd.
economising renewables



Ref: kSPL/SR/15-16/0031/LPS

Date
12/12/2016


Earth resistance value

Earth resistance test report for Grid(date of testing
12/12/2016)

Sr.n	Earth pit	Specific	Resistance	Connected pits
1	DC	Grid	0.2 Ω	E/P - 1 to E/P - 4
2	AC	Grid	0.2 Ω	E/P - 2 to E/P - 6
3	LA	Grid	0.2 Ω	E/P - 3 to E/P - 5

Earth resistance test report for Individual Pits(date of testing
12/12/2016)

Sr.n	Earth pit	Specific	Resistance	Remark
1	DC	E/P - 1	1.7 Ω	Hospital Building
2	AC	E/P - 2	1.4 Ω	Hospital Building
3	LA	E/P - 3	1.6 Ω	Hospital Building
4	DC	E/P - 4	3.8 Ω	College building
5	LA	E/P - 5	1.09 Ω	College building
6	AC	E/P - 6	1.04 Ω	College building


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registered
Malwanchal University
Indore (M.P.)

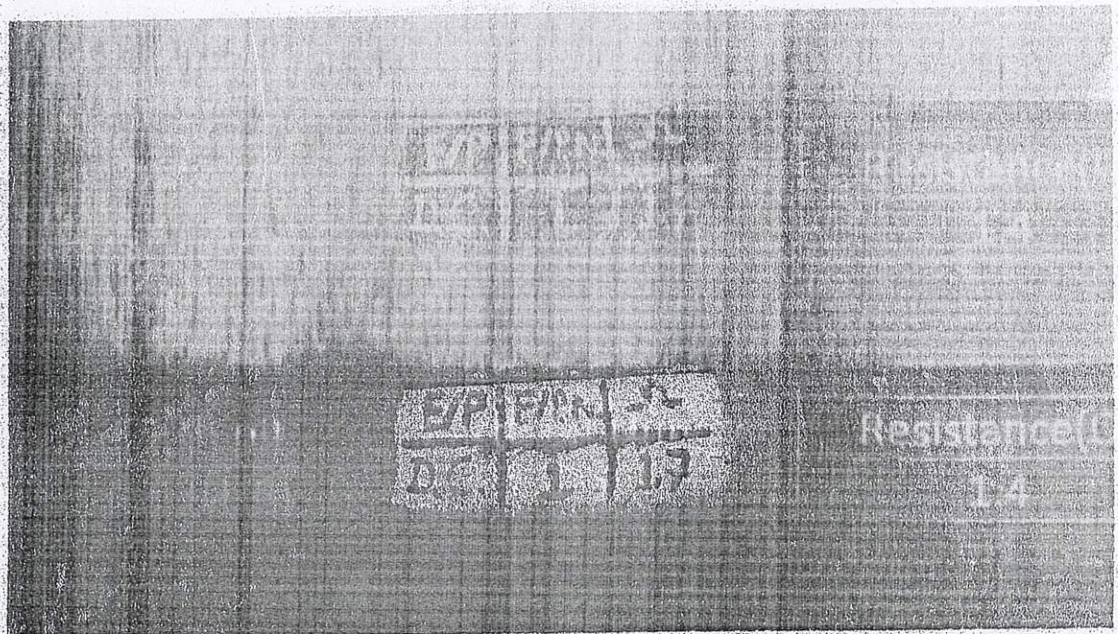
Earthing pits numbering with itself resistance values

Date of testing 12/12/2016

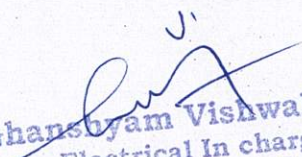
Pit N. 1 to 3 for Hospital Building.

Pit N. 4 to 6 for College Building.

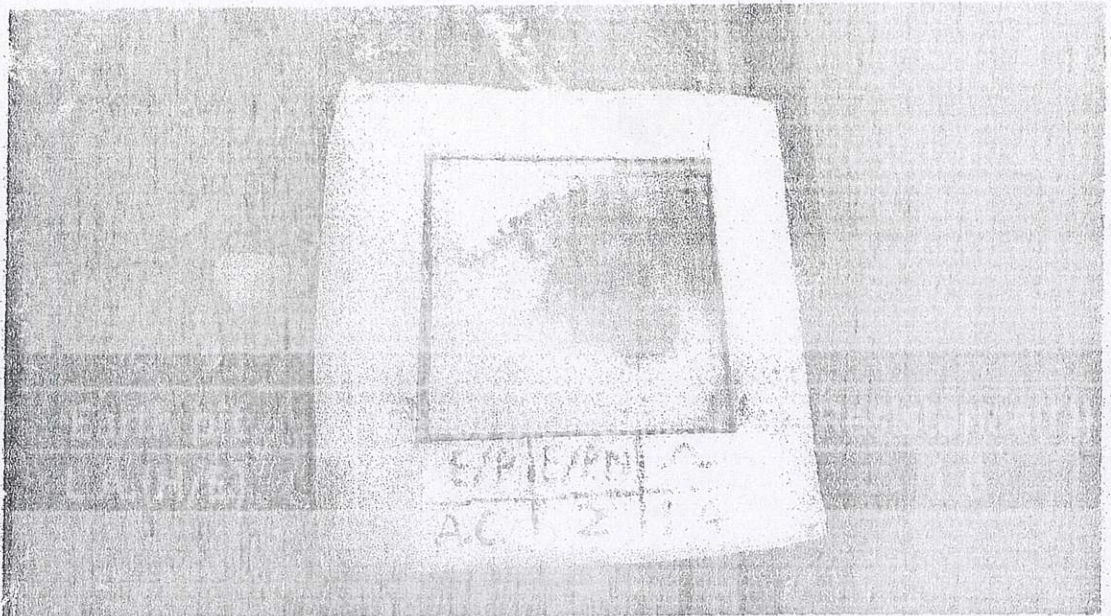
Earth pit	Earth pit Number	Resistance(Ω)
D.C.(H/B)	1	1.7



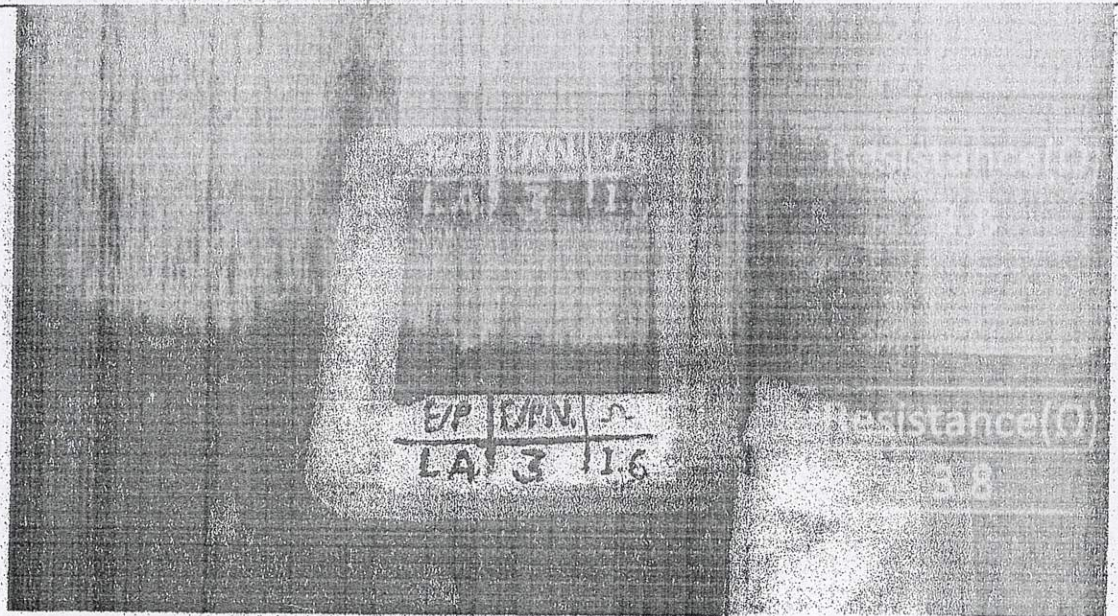
Earth pit	Earth pit Number	Resistance(Ω)
A.C.(H/B)	2	1.4


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)

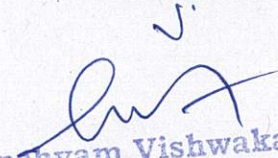

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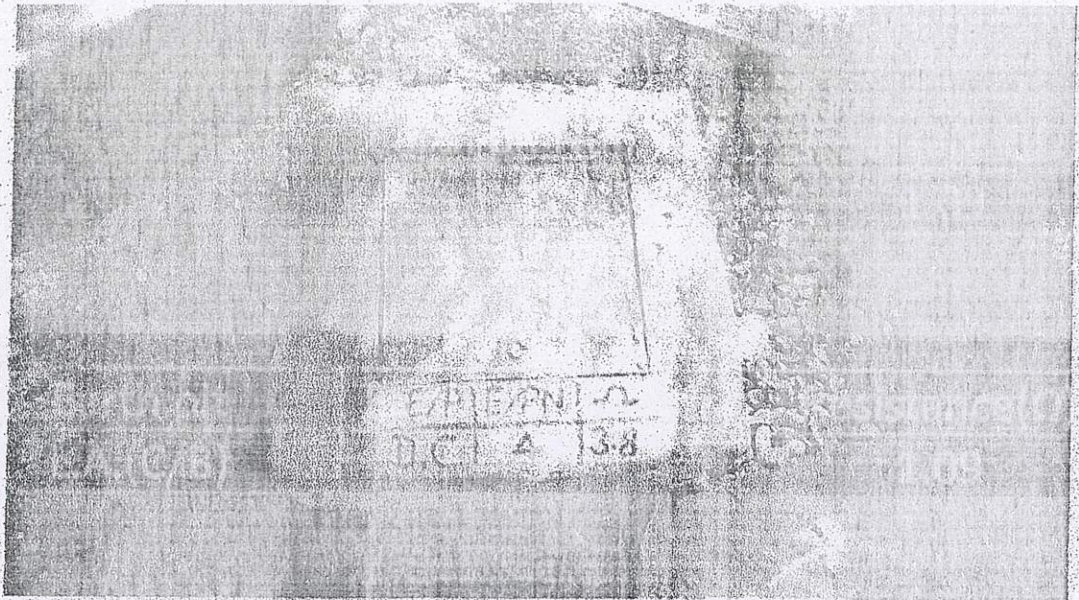
Earth pit	Earth pit Number	Resistance(Ω)
L.A.(H/B)	3	1.6



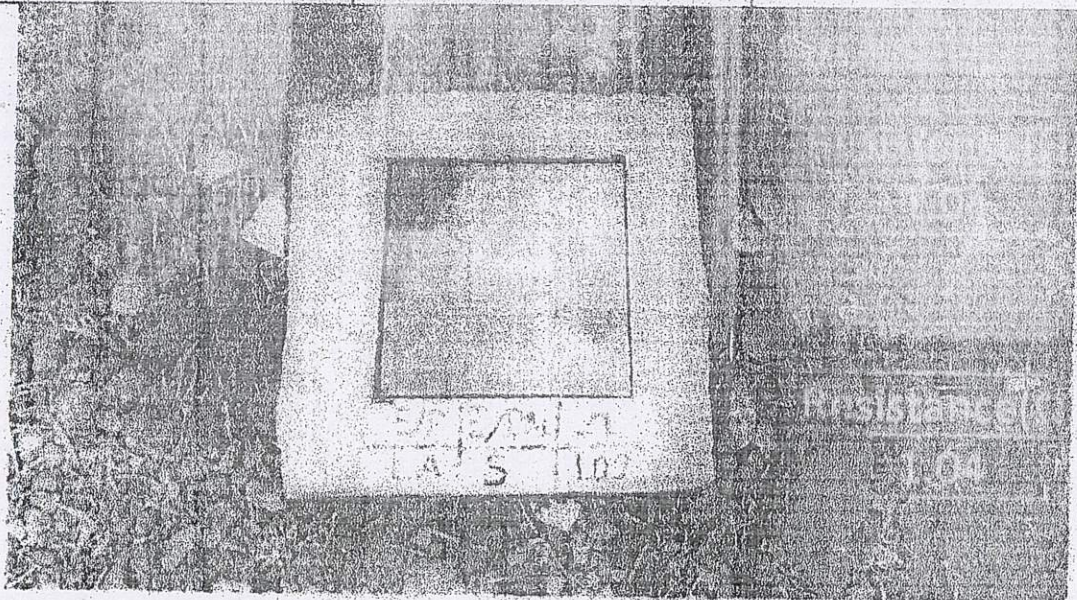
Earth pit	Earth pit Number	Resistance(Ω)
D.C.(C/B)	4	3.8


Ghanshyam Vishwakarma
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 Index Medical College,
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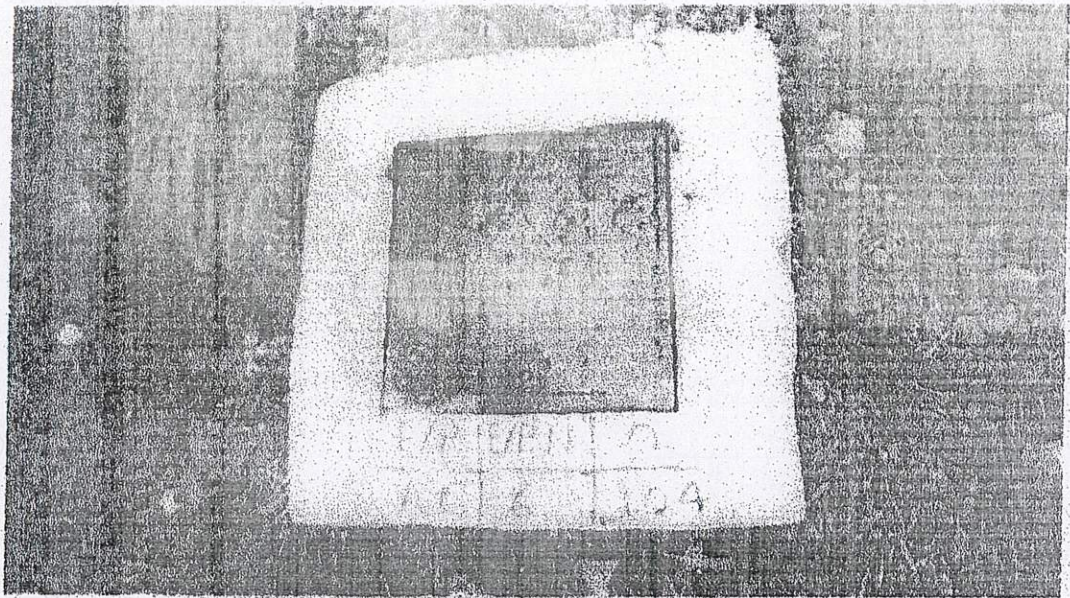
Earth pit	Earth pit Number	Resistance(Ω)
L.A.(C/B)	5	1.09




Earth pit	Earth pit Number	Resistance(Ω)
A.C.(C/B)	6	1.04


Ghaneshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)


 Registrar
 Malwanchal University
 Indore (M.P.)



K.K.S. GAUTAM
Chartered Engineer (F1071137)


Ghanshyam Vishwakarma
Electrical in charge
Index Medical College,
Nemawar Road, Indore (M.P.)


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Malwanchal University
Indore (M.P.)



Ministry of New and Renewable Energy

SPIN - An online application for Solar Photovoltaic Installation

(Grid-Connected Rooftop)



Logged in as : kwatt752 (Channel Partner(New Entrepreneur))


(Please Logout Properly)
27-01-2017, 18:24:56. Logout

Details Of Installations By Agency

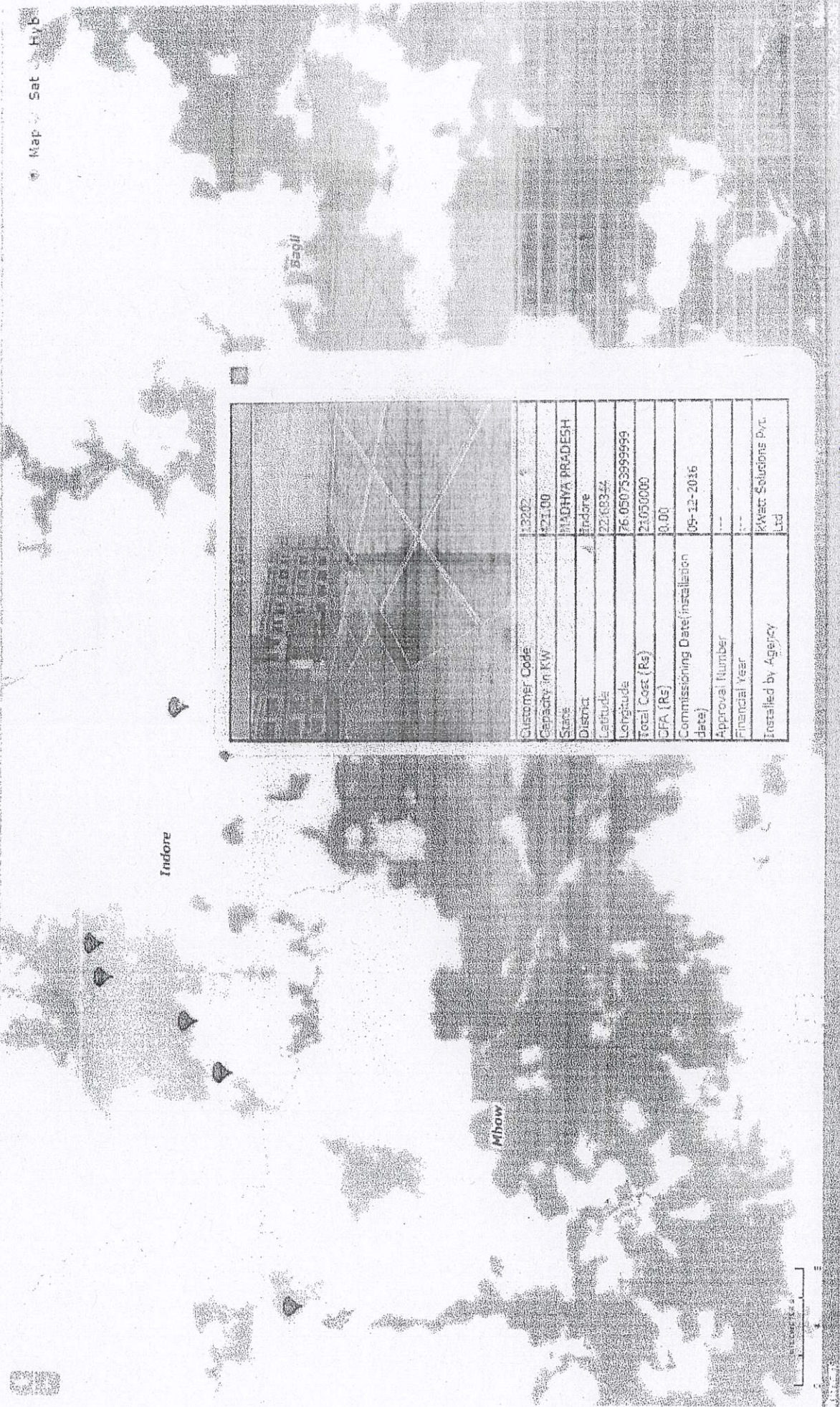
kWatt Solutions Pvt. Ltd - (Channel Partner(New Entrepreneur))

S No	Name & Address	Pin Code	Company No	Registration No	State	Installation Date
1	Index Medical College Hospital & Research Center(13202) c/o Hotel Armathas 2, R.K. Puram, AB Road, Indore Mobile no. : 9826025956 Email : badgetdotjavinash[at]yahoo[dot]com	M.P.Paschim Kshetra Vidyut Vitran Co.	0444904000	9826025956	MADHYA PRADESH	27-01-17

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Ghanshyam Vishwakarma
 Electrical In charge,
 Index Medical College,
 Nemawar Road, Indore (M.P.)


 Registrar
Malwanchal University
 Indore (M.P.)



Customer Code	13202
Capacity in KW	21.00
State	MADHYA PRADESH
District	Indore
Latitude	22.63344
Longitude	76.05753999999
Total Cost (Rs)	21050000
CFA (Rs)	0.00
Commissioning Date (Installation Date)	05-12-2016
Approval Number	--
Financial Year	--
Installed by Agency	KWatt Solutions Pvt. Ltd

Malwancha University
Indore (M.P.)

Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Wamawar Road, Indore (M.P.)

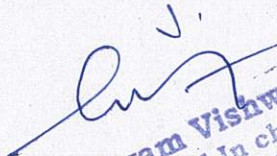
Date: - 05-Dec-2016

AC cable meggar values test report

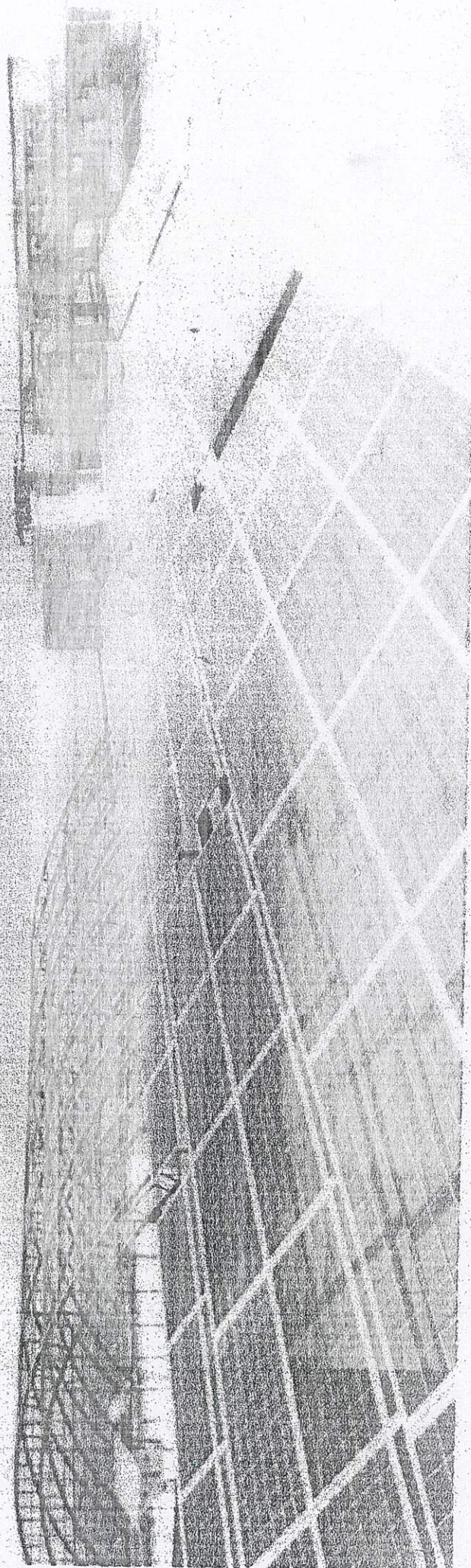
Before installation, Date of Testing - 05-Dec-2016

After installation Date, of Testing - 06-Dec-2016

Sr. N.	Cable Size	Cable meggar value before installation(In Giga Ohm)	Cable meggar value after installation(In Giga Ohm)
1	3.5C × 35 Sq. mm.	> 1GΩ	> 1GΩ
2	3.5C × 95 Sq. mm.	> 1GΩ	> 1GΩ
3	3.5C × 150 Sq. mm.	> 1GΩ	> 1GΩ


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)

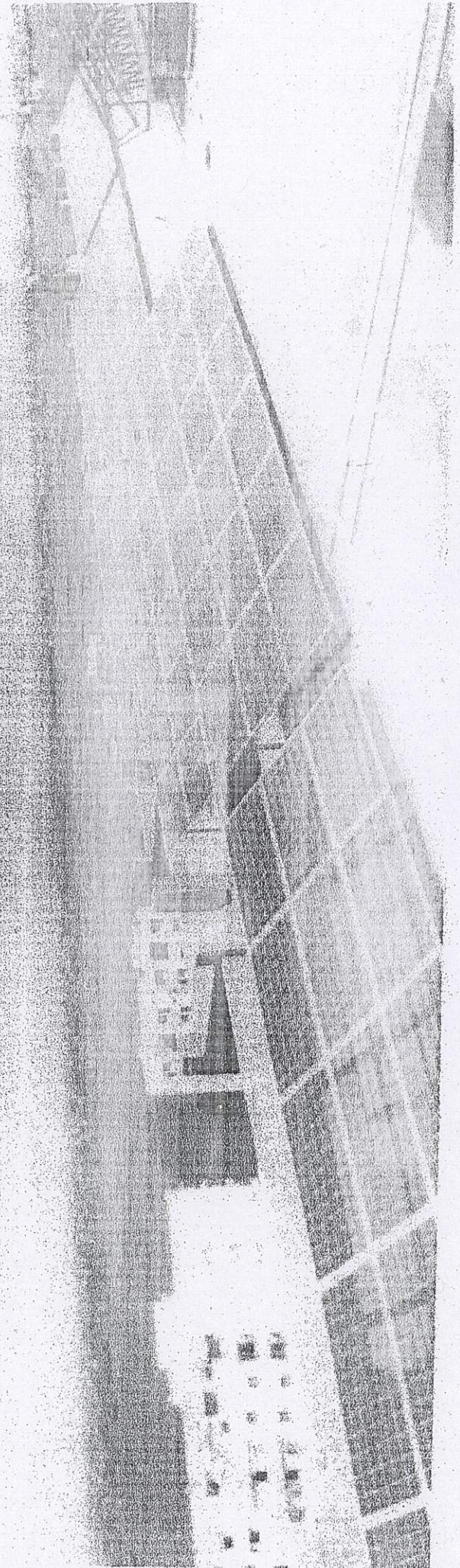

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Malwanchal University
Indore (M.P.)



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Malwanchal University
Indore (M.P.)

K.K.S. Gautam
9.7.2017
K.K.S. GAUTAM
Chartered Engineer (F1071187)

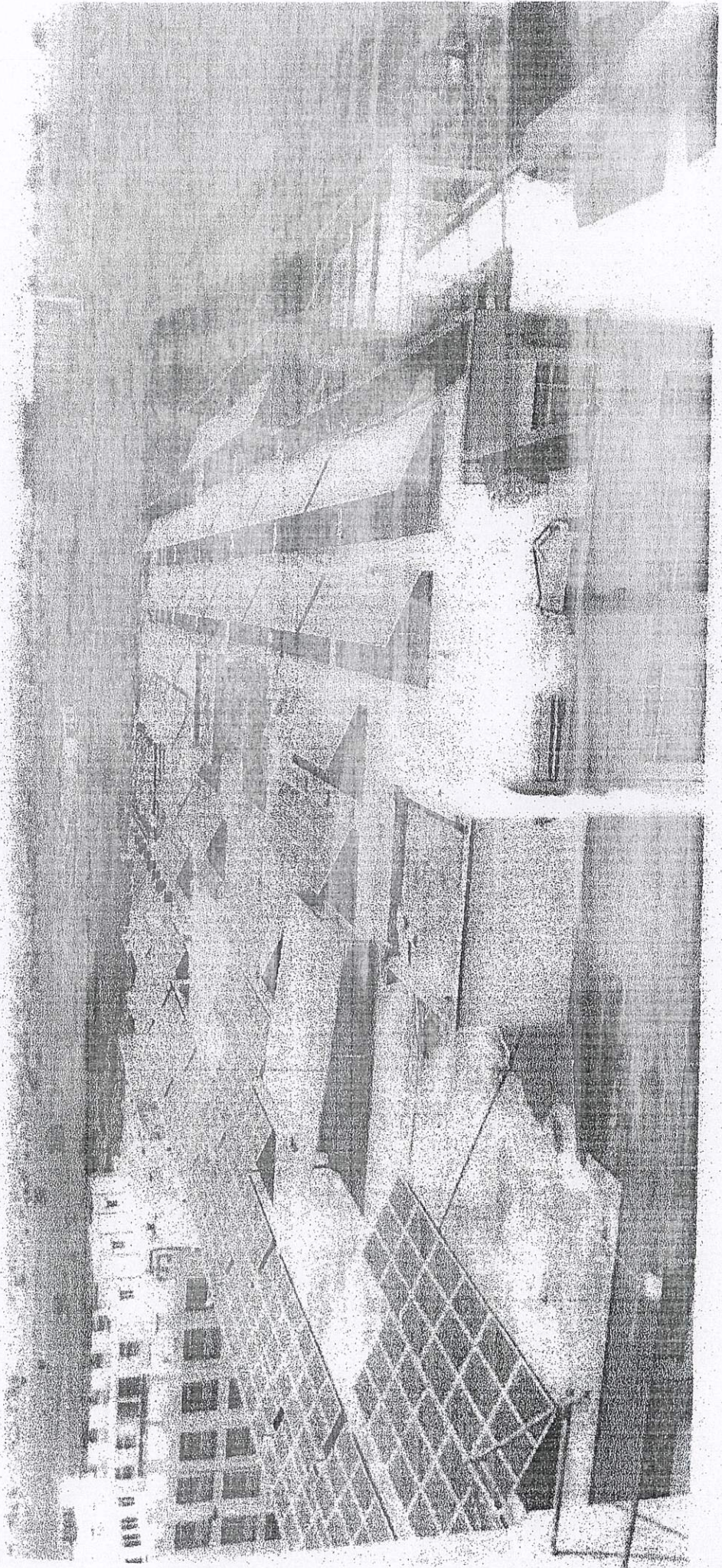
Ghanshyam Vishwakarma
Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Near Road, Indore (M.P.)



Chanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)

K.K.S. Gautam
9.2.2017
K.K.S. GAUTAM
Chartered Engineer (F1071137)

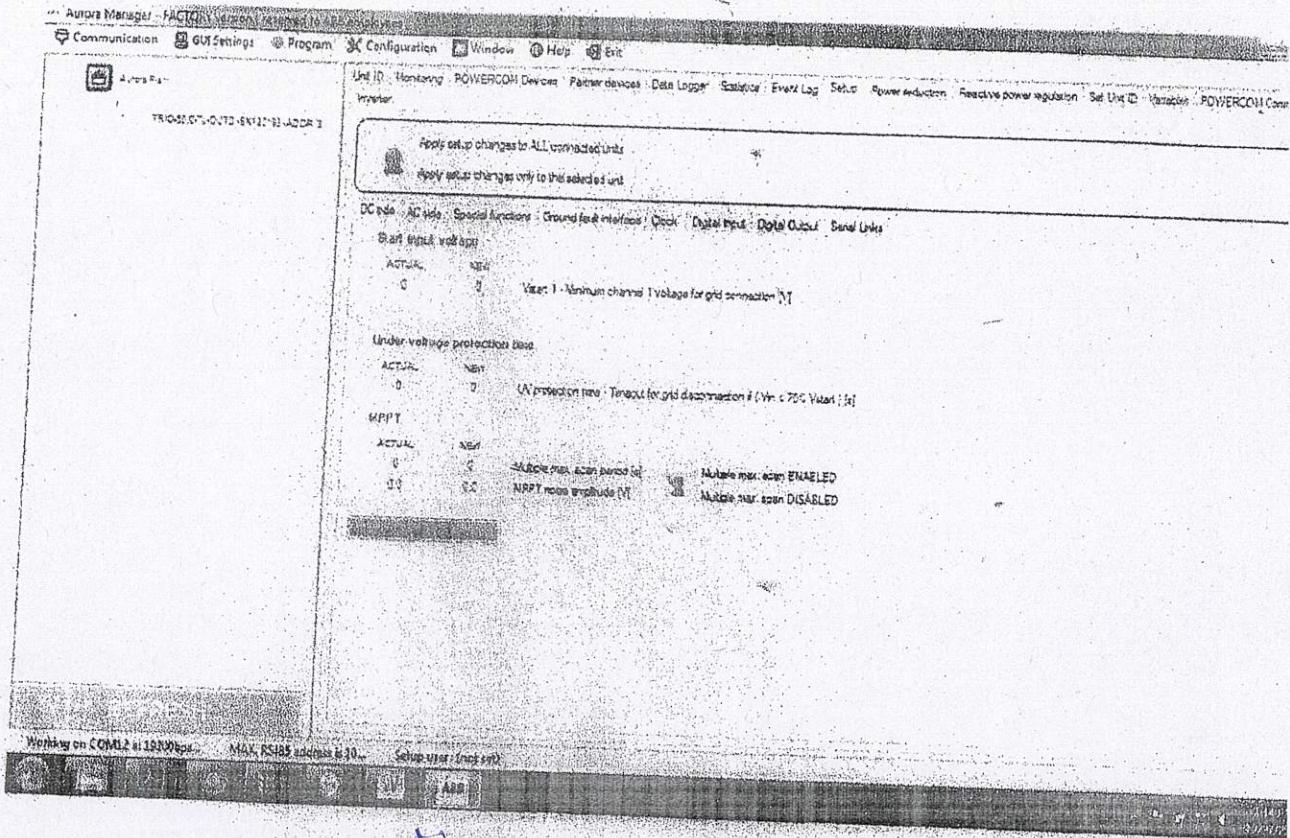
Registrar
Malwanchal University
Indore (M.P.)




Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)

9.2.2017
K.K.S. GAUTAM
Chartered Engineer (F/071137)

REGISTER
Malwanchal University
Indore (M.P.)




Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)


 Registrar
 Malwanchal University
 Indore (M.P.)

Aurora Manager - FACTORY version (reserved for ABS employees)

Communication GUI Settings Program Configuration Window Help Exit

Unit ID Monitoring POWERCOM Device Power devices Data logger Statistics Event Log Setup Power regulation Reactive power regulation Set Unit ID Variables POWERCOM Cam

Unit State

Run	Global	342.2	V-IN-1 (V)
Run	Inverter	77.50	I-IN-1 (A)
No Load	Power	43222	P-IN-1 (W)
MPPT	DiDc1		Mode (V)
MPPT	DiDc2		

DC-Link

342.2	V	77.50	A	43222	W	432.5	36d
77.50	A	43222	W	432.5	V	432.5	1-m
43222	W	432.5	V	432.5	1-m	432.5	1-m
432.5	V	432.5	1-m	432.5	1-m	432.5	1-m
432.5	1-m	432.5	1-m	432.5	1-m	432.5	1-m

AC Input

253.7	Max	253.7	V-R-N	254.7	V-S-N	253.4	V-T-N
15.21	Max	14.8	V-R-S	14.2	V-S-T	14.2	V-T-R
10.55	Max	10.28	I-R	10.58	I-S	10.27	I-T
14227.5	P-R	14265.8	P-S	14265.3	P-T		

MPPT (V)

0.014	Max	0.014	CH1	0.014	CH2	0.014	CH3
0.018	Max	0.018	CH1	0.018	CH2	0.018	CH3
0.030	Max	0.030	CH1	0.030	CH2	0.030	CH3
20.43	Max	20.43	SP1	20.43	SP2	20.43	SP3
172.8	Max	172.8	SP1	172.8	SP2	172.8	SP3

Temperature (C)

62.4	T1	42.3	T2
------	----	------	----

Unit Comm

42735	Free (W)
1	One (WAP)

Energy (Wh)

5106003	TOT
5106003	PAR
133942	TOD
405710	WEEK
5106011	MONTH
5106013	YEAR

Power Peak (W)

80288	ABS
47542	TOD

Working on COM12 at 19270bps MAX 25000 address (10) Subnet (192.168)

Ghanshyam Vishwakarma
Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)

Registrar
Registrar
 Malwanchal University
 Indore (M.P.)

CHECK LIST

Ref No. : SP/00183/2016-2017

For checking Documents to be submitted by Solar Power Developers to MNRE along with Application for approval of Total Bill of Materials prior to issue of Certificates for Concessional Customs Duty and Excise Duty Exemption

(Refer : OMs (1) No.30/42/2011-12/NSM dt. 28.02.2014; (2) No.30/42/2012-13/NSM dt. 17.01.2013 (3) No.30/20/2011-12/NSM dt. 01.07.2013; and (4) No.22/09/2009-10/ST(Pl.) dt. 04.04.2013 – All these OMs are available on MNRE's Website - www.mnre.gov.in)

S. No.	Particulars / Documents	Status	Page No.	
			From	To
1	Covering Letter	Yes		
2	Whether the BoM is duly signed by the Chief Executive Officer (CEO) of the project or an authorized signatory of the project company	Yes		
3	Letter of Award of Project	Label		
4	Details of Land Area with Proof of possession of land enclosed	Label		
5	Project Executive Summary	Yes		
6	Whether Detailed Project Report (DPR) is enclosed	Label		
7	Whether Proof of tied up with State Transmission Utility (STU) for evacuation of power from the proposed plant to Grid, provided	Label		
8	Copy of Power Purchase Agreement (PPA) provided, if applicable. (PPA is not required in case project is being set up under REC scheme)	Label		
9	Whether copy of EPC Contract/Agreement is provided, if applicable.	Label		
10	Whether the print out and soft copy of PDF layer drawing of auto cad generated plant layout with each layer indicating material consumption in plant layout and in table as per BOM is attached. (copy of PDF for reference is at http://164.100.194.45/ccms)	Label		
11	Whether Chartered Accountant's Certificate on the estimated project cost, is enclosed, along with detailed break-up of project cost	Label		
12	Whether Electrical Engineering SLD (Single Line Drawing) of DC Solar Block + Power Block + Evacuation Block + Route Survey Transmission Line / Detailed Drawings with calculation sheets of requirement of cable in respect of length and distance; Calculation sheets of Equivalent weight Module mounting structures in KG or MT, Poles, Inverter, Transformers, Material Chart etc., are enclosed ** Note:-All drawings must be Large Size also Route Survey Transmission Line must be certified by Chief Electrical Inspector of concerned area.	Label		
13	Civil Engineering Project Layout Drawing of Array, switch yard control room, Mechanical Engineering structure (Table, Tracker and other relevant Drawing etc.) ** Note:-Google Map Image is not a Civil Layout drawing therefore it can not be entertain.	Label		
14	Whether SLD or approved drawings for injection point and metering, have been provided	Label		
15	Whether copy of SLSC approval or in principle approval of the concerned authority in the State, is provided. This is applicable in case the plant is installed under REC Mechanism	Label		
16	Whether the SPD has given Self Declaration Undertaking as required in MNRE MNRE's OM No 30/2014 dated 16th September 2016	Yes		
17	Two Affidavits with self-certification only - one each for Excise Duty Exemption and Concessional Customs Duty separately, submitted in the prescribed formats (NOT ON STAMP PAPER)	Yes		
18	Project's Financial Document/Loan Document	Label		

AM
Ghanshyam Vishwakarma
Electrical In charge
Indore Electrical Office,
Indore, Madhya Pradesh (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

				For monitoring parameters through RS232/485 ports of inverter, MFM, radiation meter, temperature sensor and weather station		
2	Weather station, radiation and temperature sensor	25	1 Nos	calibrated	No	Yes
3	Energy meter and multi function meter	26	1 Nos	calibrated with +5% accuracy	No	Yes

Note: SPD/EPC Contractor shall file a reconciliation report to MNRE on actual consumption of material and usage of Certificates online and same duly certified by an empanelled Chartered Engineer, within two months after commissioning of the project.

Note: Ministry reserves its right to delete item/items at any stage or even after approval of BOM, and refuse/ cancel or recall the certificate(s) with regard to any of the items in the approved BOM.

(1) Signature and Seal of Authorised Signatory of Project Company

Signature:

Company Name: Index Medical College Hospital & Research Centre

Name: Avinash Basant Badge

Designation: Chief Executive Officer

(2) Certification by Empanelled Chartered Engineer:

I undertake and certify as under:

(i) I have examined the applicant company's requirements of new materials, components etc. with regard to their technical description/specification and the quantity against each item of manufacture or import and having regard to proper technical norms of consumption and after technical scrutiny of DPR and relevant designs and drawings, I hereby certify that they are correct in all respects and are actually required for the execution of the 0.42 MW Solar PV power generation project or facility at Village Khudel Indore, Taluka Indore, District Indore, State MADHYA PRADESH.

(ii) I have also examined each item/component, their description, quantity and specifications mentioned in the BoM in terms of non-eligible items declared by the Government and certify that no ineligible item is included in the BoM.

(iii) I am not an employee of the Solar Power Developer or the Company doing EPC for this project nor I am an employee of MNRE.

(iv) I will ensure that the SPD/EPC submits the Statement indicating utilization of above mentioned material/equipment to MNRE in prescribed format within 60 days of commissioning of the said project.

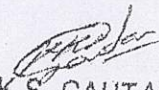
(v) Information given above and in the enclosed documents is true to the best of my knowledge and belief and nothing has been concealed therein. I am well aware of the fact that if the information given is proved false/not true, I will be liable to be debarred from certifying the BoM of solar power projects or any legal or other action that Govt. may deem fit.

Signature:

Name of the Empanelled Chartered Engineer:

Address:

Ref. No. & Date of membership:


K.K.S. GAUTAM
Chartered Engineer (F1071137)


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

(ii) Present status	
12. (i) Whether you have availed exemption certificate in the past for any of your commissioned solar project(s)	No

Ref No. : SP/00183/2016-2017

Part B:

S.No.	Description of Item	Item No.	Quantity	Specification	Concessional custom duty (CCD) to be availed (Yes/No)	Excise duty Exemption (EDE) to be availed (Yes/No)
Solar Block						
1	Grid Tie Inverter	2	7 Nos	50 kVA String Inverter	No	Yes
	Module Mounting Structure	3	20 Metric Tonne	HDGI and cold form galvanised iron with 80 microns galvanisation thickness	No	Yes
3	MC4 connectors	4	364 Nos	4 sq mm solar cable	No	Yes
4	Module fitting nut bolts	5	5620 Nos	SS-204/304	No	Yes
5	Lightening Arrestor	6	2 Nos	ESE type with 5 mtrs mast 78 meters radius	No	Yes
Power Block						
1	DC Solar Cables (Module Interconnection)	7	3240 Mtrs	1CX4 sq mm (Black)	No	Yes
2	DC Solar Cables (Module Earthing)	8	2500 Mtrs	1CX4 sq mm (Green)	No	Yes
3	AC Cables (From string inverters to ACDB)	9	350 Mtrs	3.5CX35 sq mm XLPE Al armoured	No	Yes
4	AC Cables (Inverter and ACDB earthing)	10	180 Mtrs	1CX16 sq mm	No	Yes
5	Earthing Rod	11	6 Nos	3 mtrs copper coated	No	Yes
	Eating compound with charcoal and salt	12	25 Kg	as per standard	No	Yes
7	PVC conduit	16	2000 Mtrs	1 inch, electrical rated	No	Yes
8	Copper lugs (module earthing)	17	1700 Nos	4 sq mm ring type cu	No	Yes
9	Aluminum lugs (Inverter and ACDB)	18	35 Nos	35 sq mm pin type Al	No	Yes
10	Aluminum lugs (Inverter and ACDB)	19	20 Nos	150 sq mm ring type Al	No	Yes
11	Aluminum lugs (ACDB and power evacuation)	20	10 Nos	95 sq mm ring type Al	No	Yes
Power Evacuation						
1	AC Cables (From ACDB to power evacuation)	21	80 Mtrs	3.5CX95 sq mm XLPE Al armoured	No	Yes
2	AC Cables (From ACDB to power evacuation)	22	50 Mtrs	3.5 C X150 sq mm XLPE Al armoured	No	Yes
3	AC Distribution Box (ACDB)	23	2 Nos	With MCCB with handle, MFM, MC B, CT, line indicators	No	Yes
Remote Monitoring System						
1	Remote Monitoring System	24	1 Nos	Measuring Instruments	No	Yes

K.K.S. GAUTAM
Chartered Engineer (F10711)

Registrar
Anchal Univ
Indore (M.P.)

Chanshyam Vishwakarma
Electrical Incharge
Index Medical College,
Nemawar Road, Indore (M.P.)

5

BOM of Index Medical College Hospital & Research Centre

भारत सरकार / Government of India

नवीन और नवीकरणीय ऊर्जा मंत्रालय / Ministry of New & Renewable Energy

Ref No. : SP/00183/2016-2017

APPLICATION FORMAT FOR "TOTAL BILL OF MATERIAL"

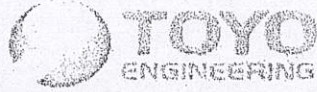
(TO BE FILLED BY PROJECT PROMOTER/DEVELOPER AND FORWARDED IN TRIPLICATE)

Application format for submission of "Total Bill of Material" for grant of customs and excise duty benefits to Project Developers by MNRE for initial setting up of Solar Power generation project or facility. This application needs to be submitted by Developers to MNRE, along with affidavit undertaking of details under Part-A below.

Note: Each Page of Part A and Part B of the total Bill of Material must be signed by the authorised signatory of project company, Chartered Engineer.

Part-A: Project Details

1.	Name, address, phone, fax, email of the project Promoter/ Developer along with corporate office including registered/branch office	Index Medical College Hospital & Research Centre, Index City, Near Khudel, 59 A, District Indore, M.P. Contact No. : 022-25728065 Mobile No. : 7718897031 Email : gaurav@kwattsolutions.com PAN : TIN :
2.	Name and Address of EPC Contractor	kWatt Solutions Private Limited Address. : M-08, 3rd Floor, SINE, CSRE Building, IIT Bombay, Powai, Mumbai - 400076 Mobile No. : Email :
3.	Location of the project (village, taluka, district, state) , Geographic Location of Plant	Khudel Indore, Indore, Indore, MADHYA PRADESH Longitude. : Latitude :
4.	Capacity of power project being installed (MW)	AC Capacity as in PPA 0.42 MW DC Capacity :
5.	Details of Technology to be used & related Bill of Material for equipment, component, material etc for the plant (Please provide details for each item)	Attached in Total Bill of Material
6.	Details of Roof area or Land with proof of possession to be enclosed	Issuing Authority. : Letter No. : Letter Date :
7.	Information on tied up with State transmission utility for evacuation (proof if connected to grid)	Issuing Authority. : Letter No. : Letter Date :
8.	Name of Agency with whom PPA is signed (copy to be enclosed) or captive utilization	Issuing Authority. : NA Letter No. : Letter Date :
9.	Total cost of project as appraised by FI/ certified by Chartered Accountant	(i) Approx 2.15 Crores (INR) Rs.
10.	Term loan sanctioned, if any (copy of loan agreement/loan sanction order to be enclosed)	Name of FI. : Name of Branch : Registrar Loan Amount : Rs. 100 Lakhs K.K.S. GAUTAM Chartered Engineer (F1071137)
11.	Project schedule/status: (i) Expected date of commissioning	Ghanshyam Electrical Index Medical College, Nemawar Road, Indore (M.P.) 01/12/2016 (ii) Site Development



Toyo Engineering India Pvt. Ltd.

kWatt Solutions Pvt. Ltd.

COMMISSIONING CERTIFICATE

This is to certify that Toyo Engineering India Pvt Limited has commissioned 421 kWp Roof Top Solar Power Plant at Indore (awarded to them vide Work Order no. KSPL/09/01 Dtd. 02/09/16) on 9th December, 2016. The plant is operating successfully.

Toyo Engineering India Pvt Ltd.

kWatt Solutions Pvt Ltd.

C. J. Parekh

Gaurav Tare

Director- Sales

Director

(Date - Dec 10, 2016)

(Date - Dec. 10, 2016)

9-2-2017

K.K.S. GAUTAM
Chartered Engineer (F1071137)

Ghanshyam Vishwakarma
Electrical in charge
Index Medical College,
Nemawar Road, Indore (M.P.)

Registrar
Malwanchal University
Indore (M.P.)



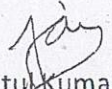
Subsidy

- The project is registered at MNRE SPIN website with consumer no. as 13202. Details of GEO Tagging info can be checked on following link: http://solarrooftop.gov.in/bhuvan_map?val=m
- For subsidy we have met following people:
 - Mr. Hiren Borah, Head Rooftops, MNRE. He informed that they have already sanctioned subsidy corresponding to 10MWp to state nodal agency of MP i.e. MPUVN hence they must be contacted for further action.
 - Mr. Vijendra Sisodiya, Chairman, MPUVN. He instructed Mr. Deshmukh, Head Roof top, to collect relevant documents.
 - As suggested, we have submitted all relevant documents to Mr. Deshmukh, acknowledgement copy of receipt of documents enclosed.
- Sir, we have already submitted all the relevant documents to MPUVN. Acknowledgement is enclosed along with this letter. Also for further action & disbursement of subsidy, we request you to please do the needful to escalate with MPUVN authorities.

I hope your requests with respect to the work order has been fulfilled from our end to your satisfaction, and with this I would request you to kindly please release our due payment with you.

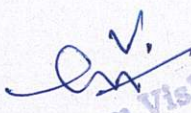
Further, please feel to contact me in any kind of service and support required from our side, I shall be happy to assist you. Assuring you our best quality and timely services to your till the time we remain and looking forward to a long term relationship with you and your esteemed organization.

Thanking you,
Your sincerely,


Atul Kumar Jain
Vice President - Technical
kWatt Solutions Private Limited




Registrar
Malwanchal University
Indore (M.P.)


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)



March 22nd, 2017

To,
Shri Suresh S. Bhadoria
Chairman, Index Group of Institutions
104, Trishul Apartment, 5, Sanghi Colony,
Opp. Amaltas Hotel, A. B. Road, Indore, M.P – 462008
Phone No.: 0731-4215757

Kind attention: Shri Avinash Badge, Director Finance

Reference: W.O. No. Power/2016-17/01 dated 28th July 2016
Subject: Regarding disbursement of final payment


Dear Sir,

This has reference to your order no. Power/2016-17/01 dated 28th July 2016 regarding supply, installation and commissioning of 421 kWp Solar Rooftop PV Plant at Index hospital premises.

I wish to inform you that, we had completed with final commissioning of 421 kWp Solar PV Plant on 9th Dec 2016 and further to your request for completion of liaisoning work for Net metering and processing of subsidy application, we have completed all the tasks as per your request; final concluded status of same is mentioned here for your kind reference:

Net metering

- As per revised Net metering policy maximum allowed solar plant size is around 30% of the rated capacity of transformer. Since the transformer size installed in Index campus is 500kVA hence maximum allowed plant size as per MPWZ is around 112kWp. Hence net metering application has been rejected.
- This information we collected from following sources:
 - 1. Mr. Kele (Director Technicals of MPWZ)
 - 2. Mr. O.P. Shrivastawa (Chief electrical inspector Indore zone MPWZ)
 - 3. Mr. Deshmukh (Head Solar Rooftop projects MPUVN)
- Also we would like to suggest that installation of net metering at this point of time is strongly not recommended because installed solar plant is around 25%-30% capacity of total consumption, so there is very low chance of any export of power to grid. Hence this cost can be saved.
- However if it is needed to prevent even this low flow of power to grid then a reverse power feed protection arrangement can be installed. The cost of this system will be around INR 4.5 lacs. This charge will be extra and will be under the scope of Index hospital and medical college.


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Lawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

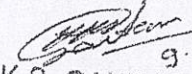
Ref No. : SP/00183/2016-2017

Reconciliation Report of Index Medical College Hospital & Research Centre

Project Location: Khudel Indore, Indore, Indore, MADHYA PRADESH
Project Capacity: 0.420 MW

S.No.	Certificate Number	Manufacturer Name	Date of Issue	Item NO.	Item Description	Bill No	Bill Date	Tin No	Quantity	Amount	Utilization Status
	SP/00183/2016-2017 (1)	NORDIC Solutions Pvt Ltd	25/11/2016	23	ACDB	319/16-17	28/11/2016	23559196510	2.0000 Nos	135090.0000 Rs.	Used
	SP/00183/2016-2017 (2)	ABB India Ltd	25/11/2016	2	Solar Inverter	1610381308	28/11/2016	29450069265	7.0000 Nos	2205000.0000 Rs.	Used

Project Completed Satisfactory


3.2.2017

K.K.S. GAUTAM
Chartered Engineer (F1071117)


- (1) Signature and Seal of Authorised Signatory of Project Company
- (2) Certification by Empanelled Chartered Engineer:

Signature:

Name of the Empanelled Chartered Engineer:

Address:

Ref. No. & Date of membership:


Ghanshyam V. Wakar
Electrical in charge
Index Medical College,
Nemawat Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

Date - 01/03/2017

To,
Shri Vijendra Singh Sisodiya
Chairman MPUVN,
Bhopal M.P.

Subject - Submission of documents of completion report for subsidy claim.

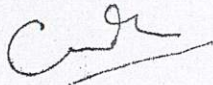
Dear Sir,

We would like to inform you that kWatt solutions pvt. ltd. has successfully installed and commitioned 421kWp Rooftop solar power plant at Index medical college & research center, Indore. We are hereby submitting relevant documents along with reconciliation report signed by chartered engineer (Mr. K.K.S. Gautam - F1071137). Following is the list of documents attached.

- 1.Recondciliation Report (Page 2)
- 2.Completion certificate of project issued by EPC contractor (Page 3)
- 3.BOM Copy (Page 4 to 7)
- 4.PV system overview giving PV system data (Page 8 to 9)
- 5.Set of Photographs of completed project (Page 10 to 12)
- 6.Copies of excise/customs duty exemption certificates (Page 13 to 14)
- 7.Photocopies of purchase invoices (Page 15 to 16)
- 8.Single Line Diagram & Module Layout (Page 17)
- 9.DC String and AC cable Layout (Page 18 to 19)
10. Earthing & Lighting arrester cable tray layout (Page 20 to 24)
11. SPIN Registration & Geo Tagging screenshot (Page 25 to 26)
12. Other Supporting Documents (Page 27 & Continueing)

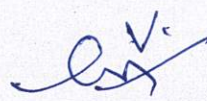
Request you to kindly process our application for claiming MNRE's subsidy.

Sincerely,



For kWatt Solutions Pvt. Ltd.


Registrar
Malwanchal University
Indore (M.P.)


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)



Date - 01/03/2017

To,
Shri Shrikant Deshmukh
MPUVN, Bhopal M.P.

Subject - Submission of documents of completion report for subsidy claim.

Dear Sir,

We would like to inform you that kWatt solutions pvt. ltd. has successfully installed and commitioned 421kWp Rooftop solar power plant at Index medical college & research center, Indore. We are hereby submitting relevant documents along with reconciliation report signed by chartered engineer (Mr. K.K.S. Gautam - F1071137). Following is the list of documents attached.

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Request you to kindly process our application for claiming MNRE's subsidy.

Sincerely,

For kWatt Solutions Pvt. Ltd.

Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Lawar Road, Indore (M.P.)

Registrar
Malwanchal University
Indore (M.P.)

Received
J. K. Singh
Mouvi
3/3/17

Tax Invoice

Purchaser: Krishnayan Developers Pvt Ltd

Invoice No.: KWSPL-2014/022

Dated: 29/03/2015

Address: Patwari Chowk, BijalPur Indore. MP

Order No.: KDPL/1310/Solar

Order Dated: 15/06/2014

Contact Details: Mr. Bharat Patwari

Sr. No.	Description	Unit	Unit Cost	Qty	Tax	Total Amount
1	Solar PV Module 250Wp	Nos	8,500	700	2	60,69,000.00
2	Solar PV Module 290Wp	Nos	10,092	348	2	35,82,256.00
3	AE 3-TL 46Kw inverter	Nos	3,87,000.00	3	2	11,84,220.00
4	AE 3-TL 23Kw inverter	Nos	2,25,000.00	5	2	11,47,500.00
5	Design, Fabrication and installation of Solar structure	Nos	4,41,176.47	2	2	9,00,000.00
6	Design, Fabrication and installation of Solar structure	Nos	3,30,882.35	1	2	3,37,500.00
7	BOS	Nos	2,09,382.40	2	2	4,27,140.00
8	BOS	Nos	1,60,176.50	1	2	1,63,380.00
9	ACDB	Nos	61,666.67	2	2	1,25,800.00
10	DC Cabling	Nos	1,00,000.00	2	2	2,04,000.00
11	DC Cabling	Nos	82,721.00	1	2	84,375.00
12	ACDB	Nos	48,799.02	1	2	49,775.00
13	Remote Monitoring System	Nos	1,10,670.00	3	2	3,06,510.00
14	Remote Monitoring System	Nos	83,500.00	1	2	85,170.00
15	Commissioning, Transportation, Testing					76,20,874.00
16	SUB TOTAL					2,22,87,500.00
	CST@2%					4,45,750.00
	NET TOTAL					2,27,33,250.00

Advance Payment Received: 1,85,000,00.00

Balance Payment : 42,33,250.00

Amount Chargeable:

Rupees Two Crore Twenty Seven Lakh Thirty Three Thousand Two Hundred Fifty Only

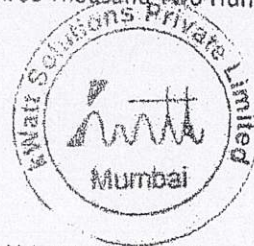
Company VAT NO. : 27021058110V

Company CST NO. : 27021058110C

PAN No. : AAFCK3621B

Subject to Mumbai Jurisdiction

Declaration



FOR kWatt Solutions PVT.LTD

[Signature]
Authorized Signatory

I/we hereby certify that my/our registration certificate Under the Maharashtra value added tax act, 2002 is in force on the date on which the sales of the goods specified in this tax invoice is made by me/us and that the transaction of sales covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales vide filing of return and the due tax, if any, payable on the sales has been paid.

Registrar
Malwanchal University
Indore (M.P.)

Branch Office: 2nd Floor, ASH 9, Bapat Square, Sukhlya, Indore - 452010 | Tel.: 0731-4037895

[Signature]
Ghanshyam Vishwakarma

Electrical In charge
Index Medical College,

Nemawar Road, Indore (M.P.)

INVOICE CUM CHALLAN

For Removal of Excisable Goods from factory or warehouse on payment of duty under Rule 11 of Central Excise Rules, 2002

ABB INDIA LIMITED Directly Owned Subsidiary No. 10, 11 & 12, Bhandarkar Road, Kharadi, Pune-411 004 Maharashtra, India. Registration No. - 27A Tel: 22046800, 22046801 Fax: 22046802	ABB	Central Ex. Inv. No. 0159513024	ORIGINAL FOR BUYER
		INVOICE No. 1810381308 DATE 28.11.2016	To Toyo Engineering India Pvt Ltd (Formerly Toyo Engineering India Lt Toyo House, Kharadi Marg (West), 12th Floor, 400070 MUMBAI MAHARASHTRA
Consignee TOYO ENGINEERING INDIA PVT LTD A/c M/s. Amatt Solution Pvt Ltd M/s. Index Medical College Hospital Research Centre, Index City, Warje Rd NH-594, Newwar Road, 452016 Indore MADHYA PRADESH	Customer Code * 2100000053 Consigned To MUMBAI, MH Consigned From BELMANGALA, BANGALORE Dist ST No. 27060166894C Cust LST No. TIR NO: 27060166894V Freight status ABB India Ltd Insurance status ABB India Ltd Consignee ST No. 23559196510 Consignee LST No. 23559196510		

P.O. SL NO	PARTICULARS	UOM INTR	QUANTITY	UNIT PRICE		ASSESSABLE VALUE
				Rs.	Paise	
000010	TRIO-50, 0-TL-OUTS-POWER MODULE DCMB-5X-TRIO-50, 0-TL-OUTD/12 INPUT ACMB-5X-TRIO-50, 0-TL-OUTD WALL MOUNTING BRACKET:TRIO-50,0 (CHAMPNER: 8504 40 10 ED4-0,00	PC	2,000	115000.00		2205000.00
	CLEARANCE AGAINST EXEMPTION NOTIFICATION NO.15/2016-C.E. UNDER NO. SF/00163/2016-2017(2-4) Date: 23.11.2016 VALIDATION DATE NO. MHE02PFW5161125 Date: 25.11.2016 ***** Sales Tax Nil against Notification No. FD 71 CGL 2015 dtd. 01.08.2015			0.00	81% 0.00	

TERMS OF PAYMENT 10% required submission of invoice and INVOICE 90% within 7 days of submission of dispatch docs. DATE & TIME OF ISSUE 28.11.2016 16:29:37 DATE & TIME OF REMOVAL 28.11.2016 16:29:37	TOTAL TRANSPORTATION VALUE 2205000.00 TAXABLE AMOUNT 2205000.00 TOTAL TAX VALUE 2205000.00 NET PAYABLE VALUE
INVOICE IS ZERO AND PAISE ZERO ONLY EXCISE DUTY IS PAYABLE	For ABB INDIA LIMITED Authorized Signatory

Corporate Office & Regd. Office: ABB INDIA LIMITED, Plot No. 10, 11 & 12, Bhandarkar Road, Kharadi, Pune-411 004, Maharashtra, India. Tel: 22046800, 22046801 Fax: 22046802

Handwritten signature

Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Newwar Road, Indore (M.P.)


 Registrar
 Malwanchal University
 Indore (M.P.)

TUV Rheinland (India) Pvt. Ltd.
Product Safety & Quality

Test Report


**Photovoltaic module Testing for
Resistivity to Potential Induced Degradation (PID)**


TÜV Report No. 19630765.001

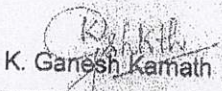

Bangalore, APRIL 2016



Certificate No. T-1543


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

Test report no.: <i>Prüfbericht - Nr.:</i>	19630765.001		
Client (Customer no. and address): <i>Auftraggeber</i> <i>(Kunden-Nr. u. Adresse):</i>	410949 Renewsys India Pvt Ltd.Division: Hyderabad, Fab City (SEZ), Plot No.6, Survey #114/P, Srinagar Village, Maheswaram, R.R District Hyderabad -501359. India		
Test item: <i>Gegenstand der Prüfung:</i>	Photovoltaic (PV) Module(s)	Date of receipt: <i>Eingangsdatum:</i>	29-03-2016
Module type designation: <i>Modultypen-Bezeichnung:</i>	DESERVE-3M6-310		
Order no.: <i>Auftragsnummer:</i>	1803132069	Quotation no.: <i>Angebotsnummer:</i>	402031537 dtd 23.03.2016
Testing location: <i>Prüfart:</i>	TUV Rheinland(India) Pvt.Ltd Plot No. 17B, Electronic city, Phase II, Industrial Area, Begur Hobli, Bangalore(south)-560 100, India Tel: +91 80 3923 4301		
Test specification: <i>Prüfgrundlage:</i>	IEC TS 62804 – 1 : Test methods for the detection of potential-induced degradation – Part 1: Crystalline silicon with following severities - Climatic conditions: 60°C and 85% RH - Duration: 96 hours		
Test result: <i>Prüfergebnis:</i>	Results Enclosed		
compiled by/erstellt:		reviewed by/kontrolliert:	
20-04-2016	 K. Ganesh Kamath	20-04-2016	 Kamalaksha.CS
Date <i>Datum</i>	Title/Name <i>Titel/Name</i>	Date <i>Datum</i>	Title/Name <i>Titel/Name</i>
<p>This test report relates to the listed test samples. Without permission of the test centre this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</p> <p>Dieser Prüfbericht bezieht sich nur auf die gelisteten Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p>			

Address/es of the manufacturing site/s:

Name / Description:	Renewsys India Pvt Ltd.Division: Hyderabad
Street:	Fab City (SEZ), Plot No.6, Survey #114/P
Postcode / City:	Srinagar Village, Maheswaram, R.R District Hyderabad -501359.
Country:	India
Type of production:	Solar Photovoltaic Modules


Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)


 Registrar
 Malwanchal University
 Indore (M.P.)

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Summary of testing:

"According to the enquiry of the manufacturer for a testing against PID resistivity shall be performed according to IEC TS 62804 with following severities –

- Negative potential of the specified maximum system voltage between the shorted output terminals and the frame(ground), - 1000V DC
- Climatic conditions: 60°C and 85% RH
- Duration: 96 hours

Before and after the PID test, Visual inspection, maximum power determination, wetleakage current test and documentation by electroluminescence imaging shall be performed.

In line with the international standard for PV module type approval testing EN IEC 61215, two modules will be tested. One additional module will be used as a reference sample.

Pass Criteria:

A module design shall be judged to have passed the PID test, if each test sample meets all the following criteria:

- The degradation of maximum output power does not exceed 5%.
- No evidence of a major visual defect (as defined in IEC 61215:2005)

All presented results are only valid for the exact tested module type and design (cell type, encapsulation material, glass type)

Summary of test locations:

All tests were performed at TUV Rheinland (India) Pvt Ltd, Bangalore.

Summary of deviations from the standard:

- NA

General information:

Abbreviations used in the report:	
Impp	– Maximum power point current
Isc	– Short circuit current
Pmpp	– Maximum power
STC	– Standard Test Conditions
Vmpp	– Maximum power point voltage
Voc	– Open circuit voltage
FF	– Fill factor
Possible test case verdicts:	
- test case does not apply to the test object.....	: N/A
- test object does meet the requirement.....	: Passed (P)
- test object does not meet the requirement.....	: Failed (F)
Date(s) of performance of tests.....	From: 30-03-2016 to 15-04-2016

Module group assignment:

TUV No #	Sample S/N	Remarks / constructional characteristics
1803132069-01	1152952	Module type: DESERV - 3M6 - 310 Cell: DMEGC_ DMTP156 - 3bb Multicrystalline EVA : Renewsys_ CONSERV A 360.2 14 FC Back Sheet: Renewsys_ PRESERV A - 190WN Superstrate: Dongguan CSG
1803132069-02	1152955	
1803132069-03	1152953	

Tables:**Visual inspection (Initial) (10.1):**

Test date [DD/MM/YYYY]	Sample #	Nature and-position of initial findings	—
30-03-2016	1803132069-01	No major visual defects found	P
30-03-2016	1803132069-02	No major visual defects found	P
30-03-2016	1803132069-03	No major visual defects found	P
Supplementary information: None			

Maximum power determination (Initial) (10.2):

Module temperature [°C]		Corrected to 25						—
Irradiance [W/m ²]		1000						—
Test date [DD/MM/YYYY]	Sample #	P _{mpp} [W]	V _{mpp} [V]	I _{mpp} [A]	V _{oc} [V]	I _{sc} [A]	FF [%]	
31-03-2016	1803132069-01	313.6	37.52	8.35	45.78	8.97	76.3	
31-03-2016	1803132069-02	313.3	37.00	8.46	45.61	8.99	76.3	
31-03-2016	1803132069-03	312.9	37.01	8.45	45.63	8.97	76.3	
Supplementary information: None								

Wet leakage current test (Initial) (10.15):

Test voltage Applied [V _{DC}]		1000			—
Solution resistivity [Ω cm]		< 3,500			
Solution temperature [°C]		22 ± 3			
Test date [DD/MM/YYYY]	Sample #	Measured	Area	Result*	—
		[MΩ]	[m ²]	[MΩ * m ²]	
31-03-2016	1803132069-01	3520.0	1.93	6793.6	P
31-03-2016	1803132069-02	4700.0	1.93	9071.0	P
31-03-2016	1803132069-03	3150.0	1.93	6079.5	P
Supplementary information: None					
* Minimum requirement acc. to the standard is 40 MΩ*m ² .					

Ground continuity test (Initial, MST 13):

		Maximum over-current protection rating[A]		15		
		Current applied [A]		37.5	—	
		Location of Ref grounding point		Right side Longer frame	—	
Test date [DD/MM/YYYY]	Sample No	Position in test sequence	Location	Voltage [mV]	Resistance [mΩ]	—
31-03-2016	1803132069-01	CONTROL	Ref- Adjacent frame 1	119.0	3.17	P
			Ref- Adjacent frame 2	151.3	4.03	P
			Ref- Opposite frame	175.6	4.68	P
31-03-2016	1803132069-02	PID	Ref- Adjacent frame 1	126.8	3.38	P
			Ref- Adjacent frame 2	143.6	3.83	P
			Ref- Opposite frame	149.8	3.99	P
31-03-2016	1803132069-03	PID	Ref- Adjacent frame 1	198.1	5.28	P
			Ref- Adjacent frame 2	210.6	5.62	P
			Ref- Opposite frame	181.0	4.83	P
Supplementary information: None						

Performance of PID Test:

Test date	11-04-2016 to 15-04-2016	
Method	Climatic chamber	
Module temperature [°C]	60	
Relative humidity [%]	85	
Grounding Polarity	+ve	
Sample	Applied voltage [V]	Duration[Hrs]
1803132069-02	-1000	96
1803132069-03	-1000	96
Supplementary information: None		

Visual inspection after PID Test:

Test date [DD/MM/YYYY]	Sample #	Nature and position of findings	-
15-04-2016	1803132069-02	No major visual defects found	P
15-04-2016	1803132069-03	No major visual defects found	P
Supplementary information: None			


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Maximum power determination after PID Test:

Module temperature [°C]		Corrected to 25							-
Irradiance [W/m ²]		1000							-
Test date [DD/MM/YYYY]	Sample #	Pmpp [W]	Vmpp [V]	I _{mp} [A]	Voc [V]	I _{sc} [A]	FF [%]	Degradation [%]	
15-04-2016	1803132069-02	314.1	37.48	8.38	45.70	9.03	76.1	0.0	P
15-04-2016	1803132069-03	314.6	37.04	8.49	45.76*	9.01	76.3	0.0	P
Supplementary information: Initial measurements were considered for calculating degradation									

Wet leakage current test (Initial) (10.15):

Test voltage Applied [V _{DC}]		1000			-
Solution resistivity [Ω cm]		< 3,500			
Solution temperature [°C]		22 ± 3			
Test date [DD/MM/YYYY]	Sample #	Measured	Area	Result*	-
		[MΩ]	[m ²]	[MΩ * m ²]	
15-04-2016	1803132069-02	351.0	1.93	677.4	P
15-04-2016	1803132069-03	314.0	1.93	606.0	P
Supplementary information: None					
* Minimum requirement acc. to the standard is 40 MΩ*m ² .					

Result:

1. The degradation of maximum output power were not exceed 5%
2. There is no evidence of a major local degradation in electroluminescence inspection.

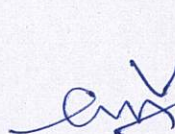
There is no Potential Induced degradation determined according to pass criteria

Annex 1: Statement of the estimated uncertainty of the test verdicts:

- Electrical performance rating is outside the scope of IEC 61215:2005 qualification testing. The verdicts of performance rating are only related to the test samples that were subjected to the tests. They cannot be generalised to the modules from the series production.
- Pmax measurement: 2.45% with a coverage factor k=2
- Current measurement: 2.27% with a coverage factor k=2
- Voltage measurement: 1.39% with a coverage factor k=2
- Relative measurements were performed with a flash type solar simulator.
- The accuracy of measurement reproduction with the solar simulator is less than $\pm 1\%$.

Annex 2: Measuring software:

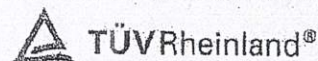
Program name	Version no.	Date	Application
SLAB industrial_IO_V2_1_1	V2.1	SEP 2009	Operating software for pulsed simulator
SIMPATI.exe	4.02	-	Operating software for chambers


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Annex 3: Measurement at STC:Initial

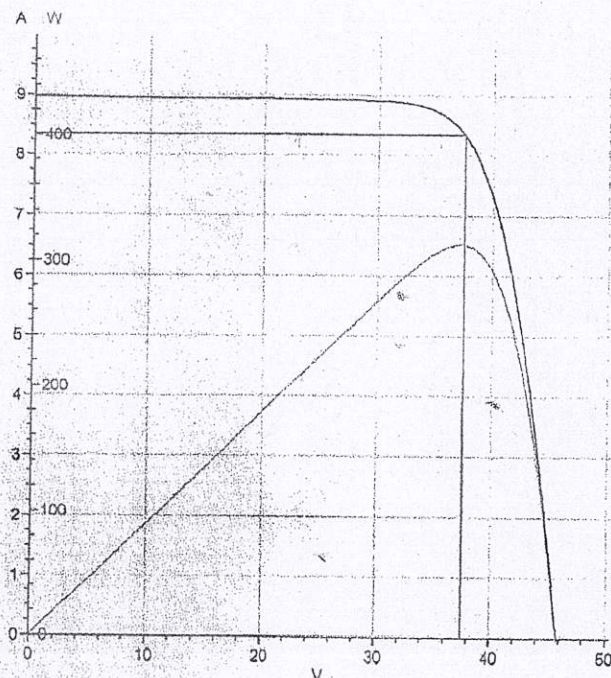
1803132069-01



Performance measurement

PASAN SLAB Tester - STC + SM V2.4.4

31-03-16 15:49



Measurement Data (Temp. compensated results)

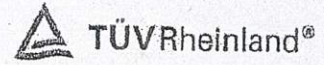
PASAN Tester version	2.4.4	Operator	1803132069-01 Initia
Module ID Code	1152952	Serial number	
Standard temperature	25.0 °C	Monitor Cell	002-2010
Mean Irradiance	1.004 kW/m ²	Calibration Value	32.200 mV/(kW/m ²)
Module Temp.	26.6 °C	Mon. Cell Temp.	26.6 °C
Mask	NO-MASK 1.000 -	Cell Area	243.360 cm ²
Module Area	19354.600 cm ²	Cells in Parallel	1
Cells in Series	72	Measurement irradiance	1.000 kW/m ²
Isc	8.977 A	Voc	45.785 V
Imp	8.358 A	Vmp	37.523 V
Pmax	313.620 W	Reference vlt 1	0.000 V
Reference vlt 2	0.000 V	Power at ref 1	-1.000 W
Power at ref 2	-1.000 W	Current at ref 1	0.000 A
Current at ref 2	0.000 A	Fill Factor	76.306 %
Cell Efficiency	17.899 %	Module Efficiency	16.204 %
Shunt res.	478.819 Ohm	Series res.	0.568 Ohm

Signature
31/3/16

Signature
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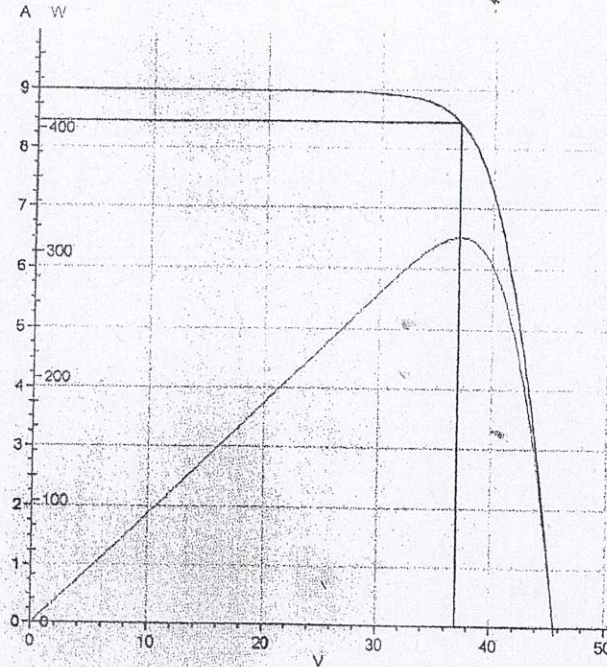
1803132069-02



Performance measurement

PASAN SLAB Tester - STC + SM.V2.4.4

31-03-16 15:57



Measurement Data (Temp. compensated results)

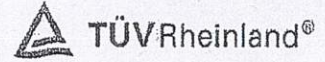
PASAN Tester version	2.4.4	Operator	1803132069-02 Initia
Module ID Code	1152955	Serial number	
Standard temperature	25.0 °C	Monitor Cell	002-2010
Mean Irradiance	1.004 kW/m ²	Calibration Value	32.200 mV/(kW/m ²)
Module Temp.	23.4 °C	Mon. Cell Temp.	23.4 °C
Mask	NO-MASK	Cell Area	243.360 cm ²
Module Area	19354.500 cm ²	Cells in Parallel	1
Cells in Series	72	Measurement irradiance	1.000 kW/m ²
Isc	8.899 A	Voc	45.617 V
Imp	8.467 A	Vmp	37.002 V
Pmax	313.310 W	Reference vlt 1	0.000 V
Reference vlt 2	0.000 V	Power at ref 1	-1.000 W
Power at ref 2	-1.000 W	Current at ref 1	0.000 A
Current at ref 2	0.000 A	Fill Factor	76.320 %
Cell Efficiency	17.881 %	Module Efficiency	16.188 %
Shunt res.	914.283 Ohm	Series res.	0.553 Ohm

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31/3/16

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[Handwritten Signature]
Registrar
Malwanchal University
Indore (M.P.)

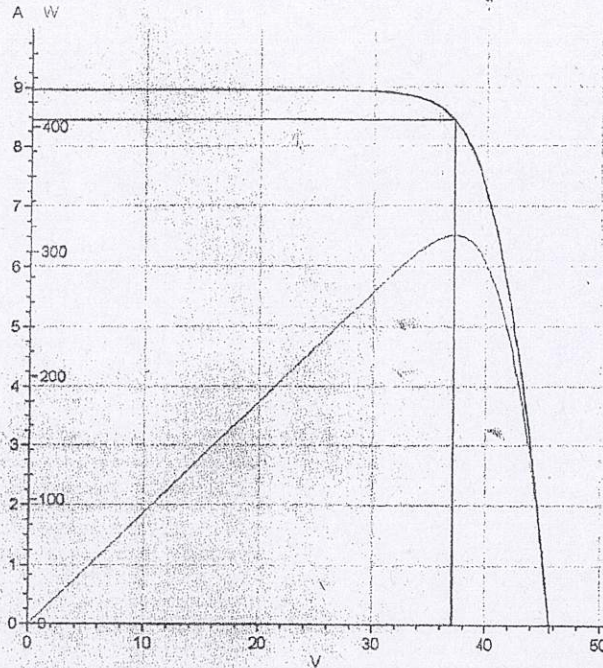
1803132069-03



Performance measurement

PASAN SLAB Tester - STC + SM V2.4.4

31-03-16 16:02



Measurement Data (Temp. compensated results)

PASAN Tester version	2.4.4	Operator	1803132069-03 Initia
Module ID Code	1152953	Serial number	
Standard temperature	25.0 °C	Monitor Cell	002-2010
Mean Irradiance	1.004 kW/m ²	Calibration Value	32.200 mV/(kW/m ²)
Module Temp.	23.5 °C	Mon. Cell Temp.	23.5 °C
Mask	NO-MASK 1.000	Cell Area	243.360 cm ²
Module Area	19354.500 cm ²	Cells in Parallel	1
Cells in Series	72	Measurement Irradiance	1.000 kW/m ²
Isc	8.974 A	Voc	45.632 V
Imp	8.452 A	Vmp	37.018 V
Pmax	312.882 W	Reference vlt 1	0.000 V
Reference vlt 2	0.000 V	Power at ref 1	-1.000 W
Power at ref 2	-1.000 W	Current at ref 1	0.000 A
Current at ref 2	0.000 A	Fill Factor	76.409 %
Cell Efficiency	17.857 %	Module Efficiency	16.166 %
Shunt res.	974.054 Ohm	Series res.	0.558 Ohm

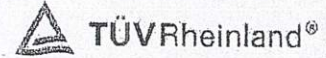
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Ghanshyam Vishwakarma
Electrical In charge
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Nemawar Road, Indore (M.P.)

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Measurement at STC: After PID Test:

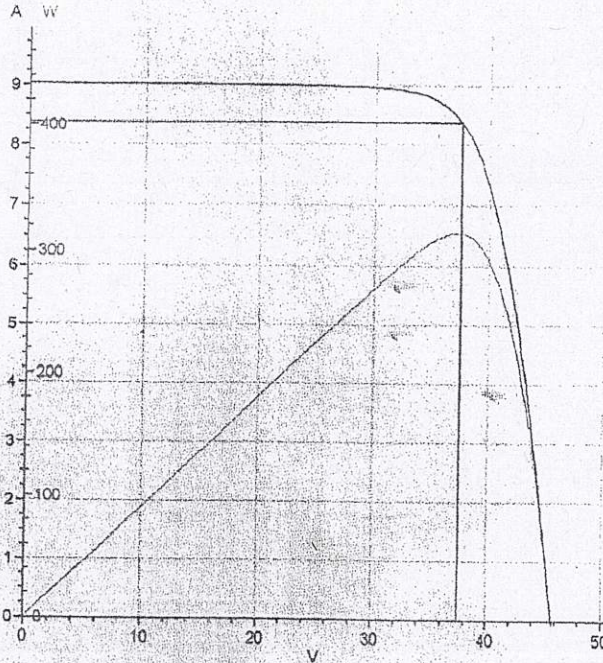
1803132069-02



Performance measurement

PASAN SLAB Tester - STC + SM V2.4.4

15-04-16 16:28



Measurement Data (Temp. compensated results)

PASAN Tester version	2.4.4	Operator	1803132069-02 Af PID
Module ID Code	1152955	Serial number	
Standard temperature	25.0 °C	Monitor Cell	002-2010
Mean Irradiance	1.004 kW/m ²	Calibration Value	32.200 mV/(kW/m ²)
Module Temp.	26.4 °C	Mon. Cell Temp.	26.4 °C
Mask	NO-MASK 1.000 -	Cell Area	243.360 cm ²
Module Area	19354.600 cm ²	Cells in Parallel	1
Cells in Series	72	Measurement irradiance	1.000 kW/m ²
Isc	9.033 A	Voc	45.706 V
Imp	8.381 A	Vmp	37.481 V
Pmax	314.119 W	Reference vlt 1	0.000 V
Reference vlt 2	0.000 V	Power at ref 1	-1.000 W
Power at ref 2	-1.000 W	Current at ref 1	0.000 A
Current at ref 2	0.000 A	Fill Factor	76.085 %
Cell Efficiency	17.927 %	Module Efficiency	16.230 %
Shunt res.	1121.986 Ohm	Series res.	0.559 Ohm

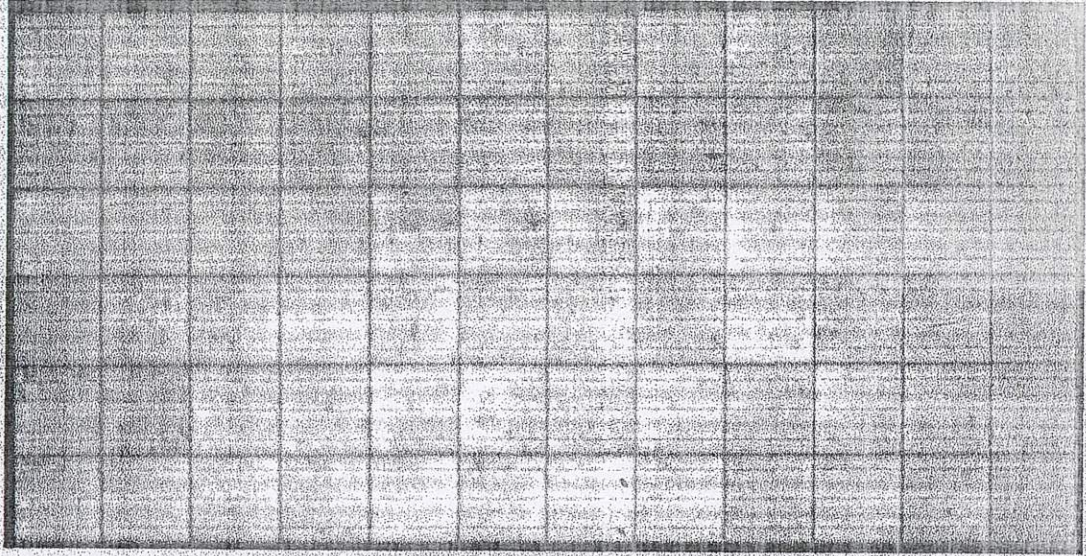
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Ghanshyam Vishwakarma
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Index Medical College,
Kamalkote, Jabalpur (M.P.)

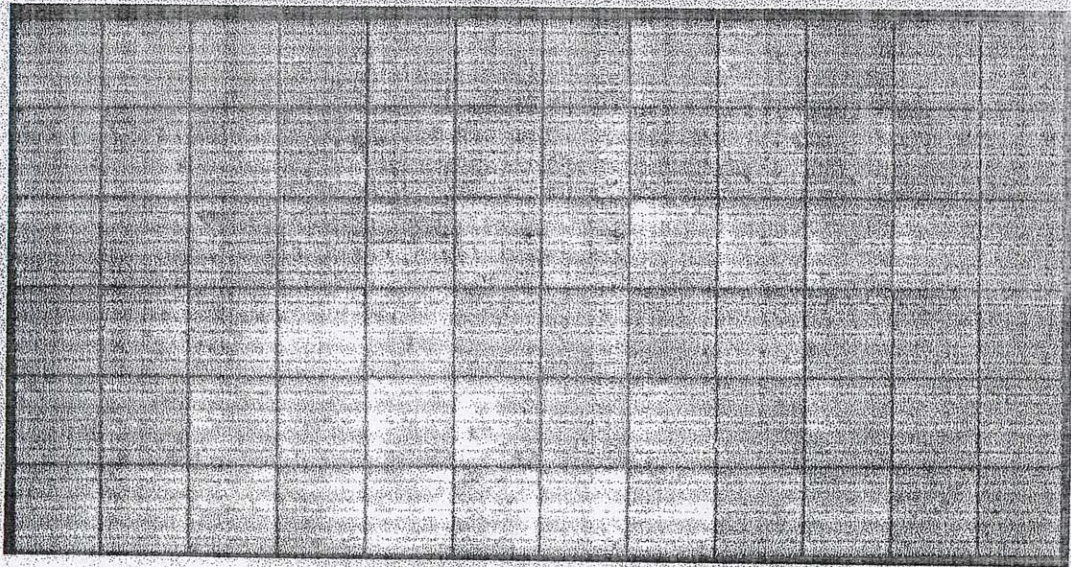
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Annex 4: EL Image of Test samples:

1803132069-02 Initial



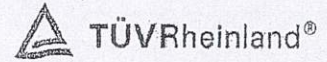
1803132069-02 after PID



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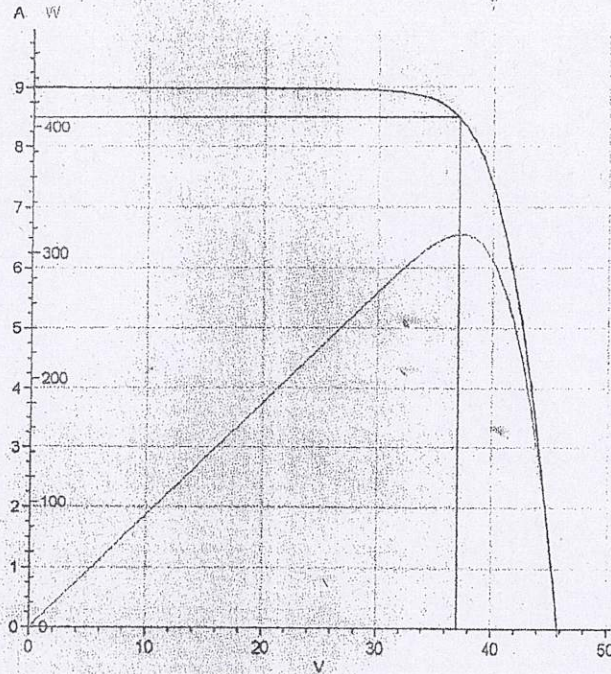
1803132069-03



Performance measurement

PASAN SLAB Tester - STC + SM V2.4.4

15-04-16 16:23



Measurement Data (Temp. compensated results)

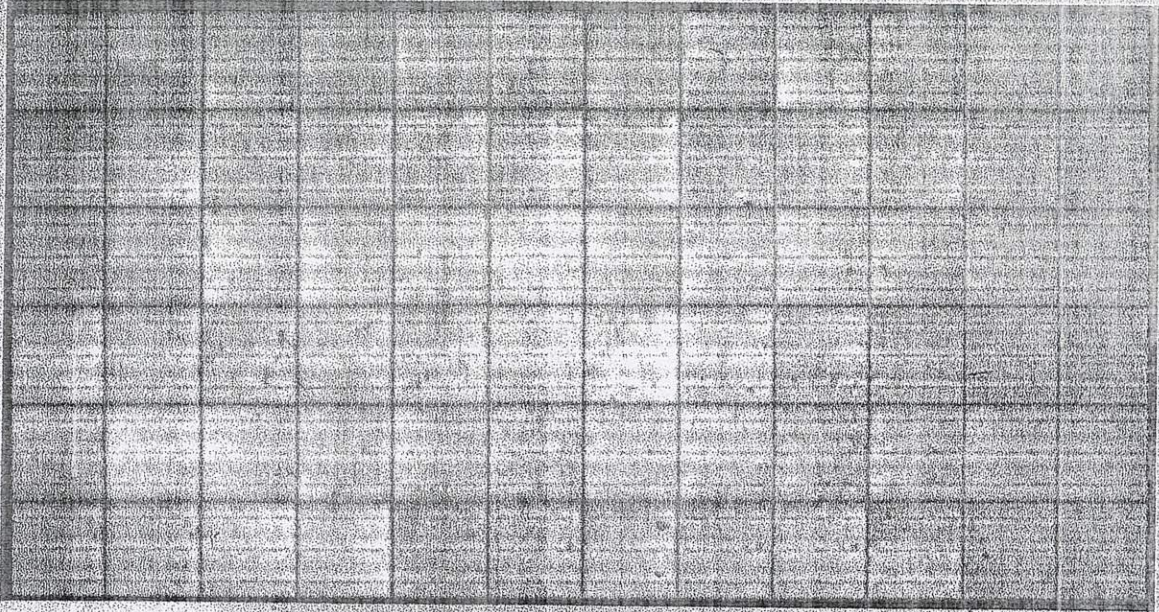
PASAN Tester version	2.4.4	Operator	1803132069-03 Af PID
Module ID Code	1152953	Serial number	
Standard temperature	25.0 °C	Monitor Cell	002-2010
Mean Irradiance	1.004 kW/m ²	Calibration Value	32.200 mV/(kW/m ²)
Module Temp.	27.0 °C	Mon. Cell Temp.	27.0 °C
Mask	NO-MASK 1:000	Cell Area	243.360 cm ²
Module Area	19354.500 cm ²	Cells in Parallel	1
Cells in Series	72	Measurement irradiance	1.000 kW/m ²
Isc	9.010 A	Voc	45.768 V
Imp	8.491 A	Vmp	37.047 V
Pmax	314.572 W	Reference vlt 1	0.000 V
Reference vlt 2	0.000 V	Power ar ref 1	-1.000 W
Power ar ref 2	-1.000 W	Current at ref 1	0.000 A
Current at ref 2	0.000 A	Fill Factor	76.280 %
Cell Efficiency	17.953 %	Module Efficiency	16.253 %
Shunt res.	862.365 Ohm	Serie res.	0.557 Ohm

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15/4/16


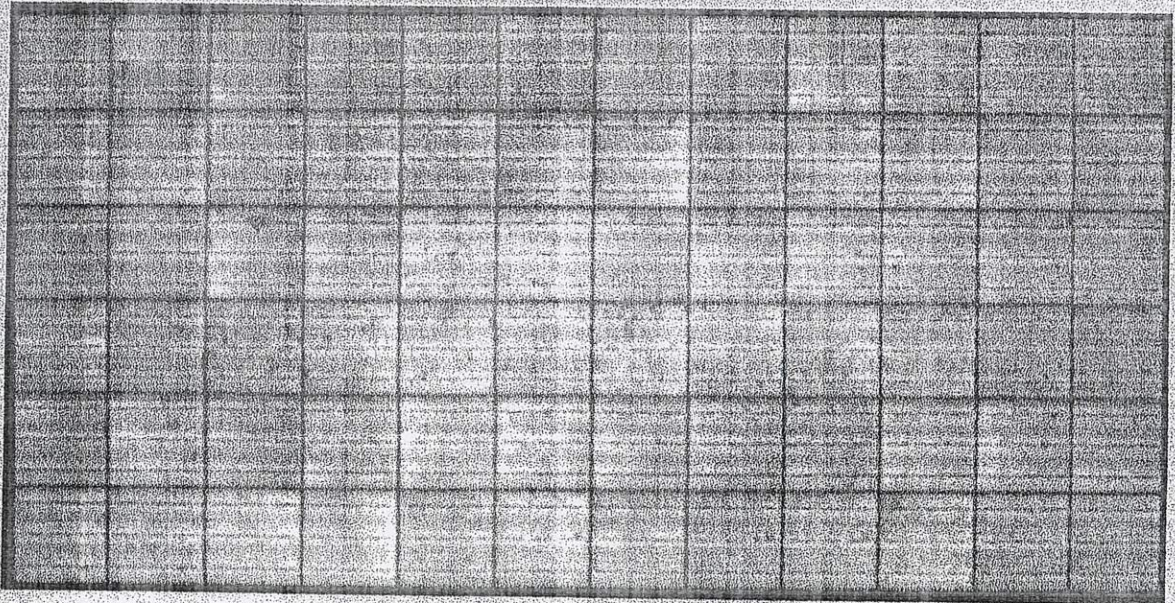
[Handwritten signature]
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Nemawar Road, Indore (M.P.)

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1803132069-03 - Initial



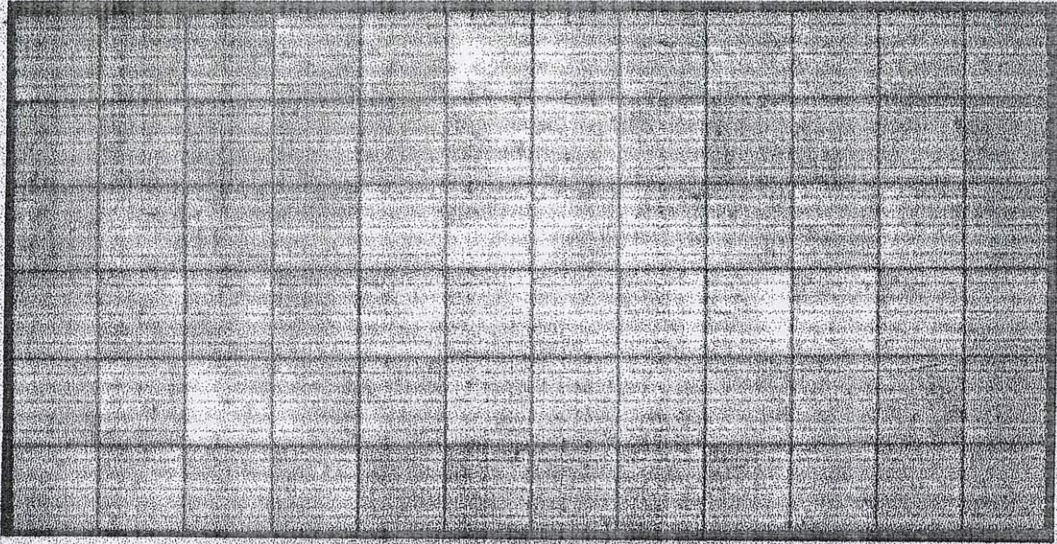
1803132069-03 - After PID




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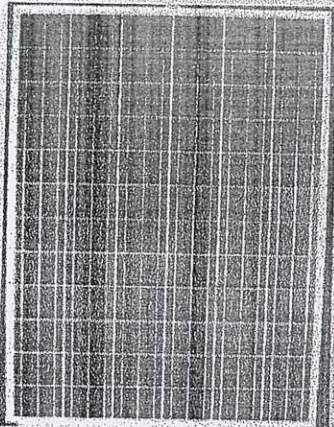
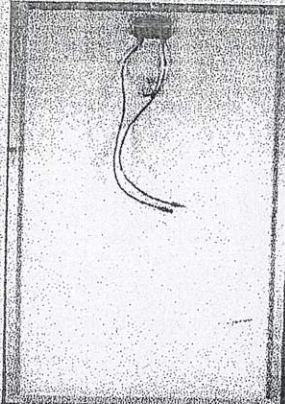
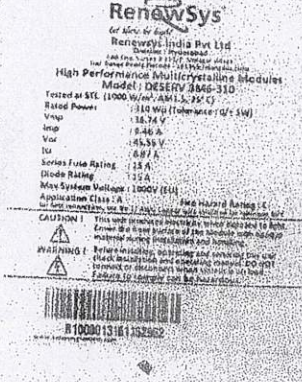
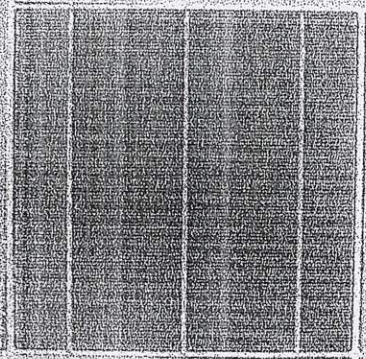
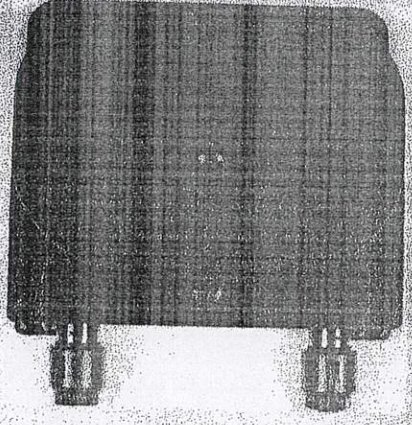
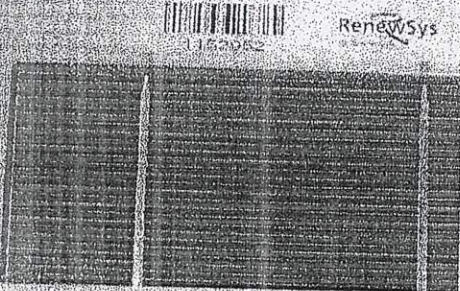
1803132069-01 – Control Module




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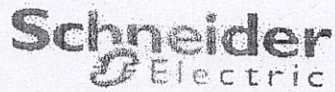

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Annex 5: Pictures of Test Samples :

DESERV - 3M6 - 310	
	
Fig. 1: Front view of the module	Fig. 2: Rear view of the module
	
Fig. 3: Detail view of the Type label	Fig. 4: Detail view of Solar Cell
	
Fig. 5: detail view of the Junction Box	Fig. 6: detail view of Serial number

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TEST AND CALIBRATION CERTIFICATE

Model Name:	EM6400	Serial No:	34162630627
Test Parameters:	V, A, F & PF	Accuracy Class:	Class 0.5S
Rated Current:	5A	RS-85:	Pass
Calibration Date:	22-Jun-2016		

Test Load	Parameters - V & F							
	240V, 50Hz				48V, 50Hz			
	Vr	Vy	Vb	F	Vr	Vy	Vb	F
Permissible Error(%)	± 0.5	± 0.5	± 0.5	± 0.1	± 0.5	± 0.5	± 0.5	± 0.1
Observed Error (%)	0.02	0.01	0.04	0	-0.06	-0.05	-0.03	0

Test Load	Parameters - A					
	5A			0.5A		0.1A
	Ar	Ay	Ab	Ar	Ay	Ab
Permissible Error(%)	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 1
Observed Error (%)	0.02	0.03	0.02	-0.01	0.06	0.07

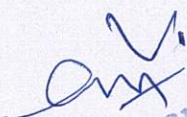
Test Load	Parameters - W & PF									
	240V, 5A			240V, 0.5A			240V, 0.1A			48V, 5A
	UPF	0.5 Lag	0.8 Lead	UPF	0.5 Lag	0.8 Lead	UPF	0.5 Lag	0.8 Lead	UPF
Permissible Error(%)	± 0.5	± 0.6	± 0.6	± 0.5	± 0.6	± 0.6	± 1	± 1	± 1	± 0.5
Observed Error(%)W*	0.05	-0.04	0.09	0.06	-0.03	0.09	0	-0.06	-0.01	-0.01
Observed Error(%)PF*	0	-0.08	0.03	0	-0.08	0.02	0	-0.01	-0.06	0

Notes:

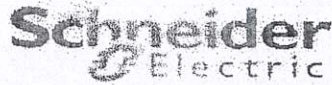
1. Reference Standard:EMH_PRS400.3_784, traceable to International standards.
2. Accuracy:Class0.2 as per IEC 62052-11 & IEC 62053-22.
3. The certificate shall not be reproduced except in full, without prior written approval of the issuing authority.
4. * W integrated over a period of time is equal to Wh.W accuracy is tested over a period of time (upto 50 samples).
5. System generated Test Certificate signature not required.

Schneider Electric India Pvt Ltd
www.schneider-electric.co.in

ISO 14001:2004 Certified
ISO 9001:2008 Certified


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TEST AND CALIBRATION CERTIFICATE

Model Name:	EM6400	Serial No:	34163011600
Test Parameters:	V, A, F & PF	Accuracy Class:	Class 0.5S
Rated Current:	5A	RF (6S):	Pass
Calibration Date:	19-Jul-2016		

Test Load	Parameters - V & F							
	240V, 50Hz				48V, 50Hz			
	Vr	Vy	Vb	F	Vr	Vy	Vb	F
Permissible Error(%)	± 0.5	± 0.5	± 0.5	± 0.1	± 0.5	± 0.5	± 0.5	± 0.1
Observed Error (%)	0.02	0.02	0.05	0	0.08	0.09	0.12	0

Test Load	Parameters - A								
	5A			0.5A			0.1A		
	Ar	Ay	Ab	Ar	Ay	Ab	Ar	Ay	Ab
Permissible Error(%)	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5	± 1	± 1	± 1
Observed Error (%)	0.03	-0.01	0.01	-0.03	-0.08	-0.06	-0.03	-0.03	-0.1

Test Load	Parameters - W* & PF									
	240V, 5A			240V, 0.5A			240V, 0.1A			48V, 5A
	Ur-PF	0.5 Lag	0.5 Lead	Ur-PF	0.5 Lag	0.5 Lead	Ur-PF	0.5 Lag	0.5 Lead	Ur-PF
Permissible Error(%)	± 0.5	± 0.6	± 0.6	± 0.5	± 0.6	± 0.6	± 1	± 1	± 1	± 0.5
Observed Error(%)W*	0.04	-0.07	0.08	-0.03	-0.04	0	-0.11	0.03	-0.03	0.11
Observed Error (%) - PF	0	-0.09	0.02	0	-0.02	0.01	-0.02	0.04	-0.06	0

Notes:


1. Reference Standard: EMH_PRS400:3_784, traceable to International standards.
2. Accuracy: Class 0.2 as per IEC 62052-11 & IEC 62053-22.
3. The certificate shall not be reproduced except in full, without prior written approval of the issuing authority.
4. * W integrated over a period of time is equal to Wh. W accuracy is tested over a period of time (upto 50 samples)
5. System generated Test Certificate signature not required.

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Ghanshyam Vishwakarma
Electrical in charge
Index Medical College,
Nemawar Road, Indore (M.P.)

 NORDIC ASIA	Nordic (India) solutions Pvt.Ltd	Test Report for 04 IN_01 OUT 3PH AC Distribution Board
	Block 1, Unit 4, SIDCO Electronics Complex, Guindy, Chennai -32.	SL No: TOYO/ACDB/2016/0401
		Date:- 11.11.2016
		Page no: 1 Total no of pages: 1

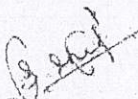
TEST REPORT

Name of the customer	:	Toyo Engineering India Pvt. Limited
Description of Sample	:	3PH AC Distribution board
Make	:	Nordic (India) Solutions Pvt. Ltd.
Type	:	04 Inputs – 01 Output
Input current	:	100A Max
Output current	:	400A Max
Enclosure Make	:	Nordic
Enclosure Material	:	MS Enclosure with Siemens grey Powder Coated (RAL 7035)
Over voltage protection	:	3 Phase, 320V AC (L1-N, L2-N, L3-N, N-PE) PTG Make
Input MCB'S	:	100A 4P 415V AC MCB Type Isolator Mitsubishi Make
Output MCCB	:	400A 4P 415V AC MCCB ABB Make
Multifunction Meter	:	3Ph 415V AC CI 1, Door Mountable type multifunction meter (with parameters of V, I, KW, KV) – Schneider Make
Test Equipment used	:	Prova clamp meter Digital Multimeter
Quantity of ACDB	:	01 No's.


Test Conducted : Inspection and Functionality Test

5. No	Parameter	Remarks
1.	Component make check	PASS
2.	Assembly of component check	PASS
3.	Termination & Crimping check	PASS
4.	Continuity test	PASS


Results: Actual test results are reported.


Tested by





Approved by

Block 1 Unit 4, SIDCO Electronic Complex, Guindy Industrial Estate, Chennai 600032, Tel. 044 2250
1163, <http://www.nordicindia.com>


Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

 NORDIC ASIA	Nordic (India) solutions Pvt Ltd Block 1, Unit 4, SIDCO Electronics Complex, Guindy, Chennai -32.	Test Report for 03 IN_01 OUT 3PH AC Distribution Board
		SL No: TOYO/ACDB/2016/0301
		Date:- 11.11.2016
		Page no: 1 Total no of pages: 1

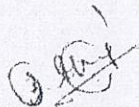
TEST REPORT

Name of the customer	: Toyo Engineering India Pvt. Limited
Description of Sample	: 3PH AC Distribution board
Make	: Nordic (India) Solutions Pvt. Ltd.
Type	: 03 Inputs – 01 Output
Input current	: 100A Max
Output current	: 250A Max
Enclosure Make	: Nordic
Enclosure Material	: MS Enclosure with Siemens grey Powder Coated (RAL 7035)
Over voltage protection	: 3 Phase, 320V AC (L1-N, L2-N, L3-N, N-PE) PTG Make
Input MCB'S	: 100A 4P 415V AC MCB Type Isolator Mitsubishi Make
Output MCCB	: 250A 4P 415V AC MCCB ABB Make
Multifunction Meter	: 3Ph 415V AC CI 1, Door Mountable type multifunction meter with parameters of V, I, KW, KVA – Schneider Make
Test Equipment used	: Prova clamp meter Digital Multimeter
Quantity of ACDB	: 01 No's.

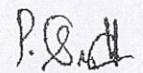
Test Conducted : Inspection and Functionality Test

S. No	Parameter	Remarks
1.	Component make check	PASS
2.	Assembly of component check	PASS
3.	Termination & Crimping check	PASS
4.	Continuity test	PASS

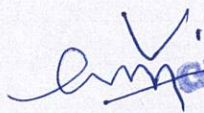
Results: Actual test results are reported.


Tested by




Approved by

Block 1 Unit 4, SIDCO Electronic Complex, Guindy Industrial Estate, Chennai 600032, Tel. 044 2250 1163, <http://www.nordiciindia.com>


Chanshyam Vishwakarma
Electrical In charge
Index Medical College,
Nemawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

Madhya Pradesh Paschim Kshetra Vidyut Vitaran
Company Ltd.

HT METER READING STATEMENT : Group B			
Location Code:	3424200	Bill Month :	SEP-2016
Name of the Consumer	INDEX MEDICAL COLLEGE & HOSPITAL	S/C No:	143
Reading Date:	08-OCT-16	Supply Voltage(KV):	33KV
Motor No:	MPE14263	Consumer Code:	0444904000
Curr. Mult. Factor:	.2	Contract Demand / Temp Dem.	500 / 0
X'mer Loss Percent:	0%	Reading Type:	AMR
Old Consumer No.	3424200501075	Bill Cycle:	IH11
Main 00:00 To 24:00 Hrs			
Particulars	KWH	Demand In KVA	KVAH
Previous Reading	102248700	3104	106929100
MF	.2	(Prev.) .2	.2
Previous RdXMF	20449740	468	21385820
Current Reading	103624600	3368	108345700
MF	.2	.2	.2
Current RdXMF	20724920	673.6	21669140
Difference	275180		283320
TOD 06:00 To 18:00 Hrs		TOD 22:00 To 06:00 Hrs	
Particulars	KWH	Particulars	KWH
Previous Reading	52720500	Previous Reading	28965000
MF	.2	MF	.2
Previous RdXMF	10544100	Previous RdXMF	5793000
Current Reading	53505400	Current Reading	29336100
MF	.2	MF	.2
Current RdXMF	10701080	Current RdXMF	5867220
Difference	156980	Difference	74220
TOD 18:00 To 22:00 Hrs			
Particulars	KWH	Power Factor:	.9713
Previous Reading	16298200	Outage Hours:	0
MF	.2	Load Factor:	58
Previous RdXMF	3259640		
Current Reading	16518100		
MF	.2		
Current RdXMF	3303620		
Difference	43980	Message If Any:	

Am
Ghanshyam Vishwakarma
Electrical In charge
Index Medical College,
Memawar Road, Indore (M.P.)


Registrar
Malwanchal University
Indore (M.P.)

M.P. PASCHIM KSHETRA VIDYUT VITARAN CO. LTD.

Bill ID : 04449898713
Date of Issue 09-OCT-16

ICICI Virtual A/c No: PKVVCL0444904000 Regd A/D
Last Dates Of Payment 1. By Cheque 21-OCT-16
2. By Draft 24-OCT-16

INDEX MEDICAL COLLEGE & HOSPITAL
(UNIT OF MAYANK WELFARE SOC.)
C/O HOTEL AMALTA 2, R.K.PURAM
A.B.ROAD, INDORE - 452008
Mob. No. 9826025956
Phone No.

Loc Code 3424200
Cons. Code 0444904000 Old Cons.Code: 3424200501075
Email ID medical@indexgroup.co.in
Pan Card Number: AANFM0784C S/C No: 143
Security Dep. Held : Rs.3816741.00

Bill for the month of SEP-2016 Supply Voltage 33KV
Cont. Demand 500.00 KVA [TempCd 0] [Standby CD 0] * Tariff WJ.3.B 33 KV Non Industrial Urb.

Feeder			Fixed Charges		200000.00
Feeder Name:			500 * 400		
MeterId. MPE14263 MF	0.200000	0.000000	Fixed Charges		10000.00
*E RMR/MRI Reading	I	II	25 * 400		
Max Demand Recorded	3368.000	0.000	Additional Fixed Charges		52000.00
Transformer Loss	0.000	0.000	100 * 400 * 1.3		
Total Max Demand	674.000	0.000	Additional Fixed Charges		39200.00
Adjustments	0.000		49 * 400 * 2		
Net Max Demand	674.000	0.000	Energy Charges		1126284.80
Billing Demand	674.000		175982 * 6.4		

Energy Units (KWH)	Reading	
On 08-OCT-16	103624600.00	0.00
On 08-SEP-16	102248700.00	0.00
DIFFERENCE With MF	275180.00	0.00
Adjustments	0.00	
Transformer Loss	0.000	0.000
Total Units	275180.00	0.00
Net Unit Supplied	275180.00	
Peak Period :	43980.00	0.00
Off Peak Period :	74220.00	0.00
Demand in excess of CD.	174.00	

KVAH Units	Reading	
On 08-OCT-16	108345700.00	0.00
On 08-SEP-16	106929100.00	0.00
DIFFERENCE With MF	283320.00	0.00
Adjustments	0.00	
Transformer Loss	0.000	0.000
Total Units	283320.00	0.00
Net Units Supplied	283320.00	

Scheduled Outage Hours
Ave PowrFactor 0.97 Ave Load Factor 58.00
Ave PowrFactor for Incentive 0.9713
Progressive KWH Consump 1383820.00

Last Payment Details: Total Amt. 2436707.00			
Date	Mode	Receipt No.	Amt (RS)
26-SEP-16	CASH	044490450687	2436707.00

Previous Reading Details:

MTH	Read Ty	Date	Mult. Factor	KWH Reading
AUG-16	N	16-SEP-08	0.2000000	102248700.00
JUL-16	N	16-AUG-08	0.2000000	100988200.00
JUN-16	N	16-JUL-08	0.2000000	99653600.00
MAY-16	N	16-JUN-08	0.2000000	98130000.00
APR-16	N	16-MAY-08	0.2000000	96672300.00
MAR-16	N	16-APR-08	0.2000000	95329600.00

Energy Charges	56313.60
8799 * 6.4	
Additional Energy Charges	335635.20
52443 * 6.40 * 1	
Energy Charges	159087.05
28157 * 5.65	
Energy Charges	7955.20
1408 * 5.65	
Additional Energy Charges	47409.15
8391 * 5.65 * 1	
FCA Charges	24637.48
175982 * .14	
FCA Charges	1231.86
8799 * .14	
Additional FCA Charges	7342.02
52443 * 1 * .14	
FCA Charges	3941.98
28157 * .14	
FCA Charges	197.12
1408 * .14	
Additional FCA Charges	1174.74
8391 * 1 * .14	
PF Incentives	-41389.47
1379649 * 3	
HT Metering Charges	2000.00
Electricity Duty@	265682.00
275180 * 15 %	
TOD Rebate	-95544.89
74220 * 6.4366 * .200	
Roundoff Adj.	0.16

Current Month Bill		2203158.00
Arrears Inc. Cumm. Surch.		0.00
2*SD Int. on		-22576.00
3816741@7.75%		
2*TDS on 22576@10%		2258.00
TOTAL BILL		2182840.00
NET BILL PAYABLE		2182840.00

RUPEES TWENTY ONE LAKH EIGHTY TWO THOUSAND EIGHT HUNDRED FORTY ONLY

NET BILL PAYABLE AFTER DUE DATE 2210125.00

AM
Ghanshyam Vishwakarma
Electrical In
Index Medica
Nemawar Road, Indore

Registered
Malwanchal University
Indore (M.P.)

November month electricity bill (bill of 22 Days only) 2016

M. P. PASCHIM KSHETRA VIDYUT VITARAN CO. LTD.

INDEX MEDICAL COLLEGE & HOSPITAL
 UNIT 7 MAYANY WELFARE SOCIETY
 HOTEL AMALTAJ 2, R.K. PURAM
 A B ROAD, INDORE - 452008

Loc Code: 7424200
 Cons. Code: 0444904000
 For Data Number: AANFMD1842 S No: 141
 Security No: Held, Rs 1810741
 Supply Voltage: 11KV

500.00

Reading	0.000	0.000
15-NOV-16	105395500.00	0.00
01-NOV-16	104658000.00	0.00
DIFFERENCE With MF	147500.00	0.00
Adjustments	0.00	0.00
Transformer Loss	0.000	0.000
Total Units	147500.00	0.00
Net Unit Supplied	147500.00	0.00
Peak Period	24880.00	0.00
Off Peak Period	16360.00	0.00
Demand in excess of	0.00	0.00

Reading	0.000	0.000
15-NOV-16	110177700.00	0.00
01-NOV-16	109412000.00	0.00
DIFFERENCE With MF	153140.00	0.00
Adjustments	0.00	0.00
Transformer Loss	0.000	0.000
Total Units	153140.00	0.00
Net Unit Supplied	153140.00	0.00

Scheduled Outage Hours
 Ave PowFactor 0.96 Ave Load Factor 98.00
 Ave PowFactor for Incentive 0.9632
 Progressive KWH Consump 1865680.00

Date	Mode	Receipt No	Amt/RSI
14-NOV-16	CASH	044490483676	1648989.00

MTN	Read Date	Unit Reading	KWH Reading
00000	15-NOV-16	105395500	105395500
00000	01-NOV-16	104658000	104658000
00000	15-NOV-16	110177700	110177700
00000	01-NOV-16	109412000	109412000

Fixed Charges	111.00
Energy Charges	814710.00
Energy Charges	114649.00
PCA Charges	11240.76
PCA Charges	2444.10
PCA Charges	18747.03
PF Incentives	949391.02
MF Metering Charges	2000.00
Electricity Duty	142409.00
TOD Rebate	46781.21
Roundoff Adj.	0.21

Current Month Bill 1219211.00
 Arrears Inc Cumm Surch 0.00
 *SD Inr 17789.00
 *1674147.75
 *TDS on 177804101 1778.00
TOTAL BILL 1203229.00
NET BILL PAYABLE 1203229.00
 RUPEES TWELVE LAKH THREE THOUSAND TWO HUNDRED TWENTY NINE ONLY
NET BILL PAYABLE AFTER 1218269.00
 OUR DATE

Accounts Officer (HT Billing Cell)
 M. P. R. K. V. V. C. L. INDORE

[Signature]
Ghanshyam Vishwakarma
 Electrical In charge
 Index Medical College,
 Nemawar Road, Indore (M.P.)

[Signature]
Registrar
Malwanchal University
 Indore (M.P.)