

**CLARIFICATION #1: Consulting Services for Detailed Survey and updated Line Design for 30 km of Changes in 400 kV Transmission Line Route Alignment**  
**(MCA-N/ETP/QCBS/009)**

| S. N. | Question/Requested Clarification   | Answer/Response to Request for Clarification   |
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| 1     | One question related to the link – what is the maximum size of the file that can be uploaded on this link?   | Please refer to ITC 17.3 (f), which states “All submitted documents (whether as standalone files or files in folders) shall be in Microsoft Office or PDF format. The Technical Proposal and the Financial Proposal shall be submitted in separate files, and <b>shall each not exceed 10GB each</b> . No compressed files or folders are accepted, thus documents submitted in any archived and/or compressed format (compressed by WinZip - including any application of the zip family-, WinRAR, 7z, 7zX, or any other similar formats) shall be rejected”. Thus, in case of size bigger than 10GB, please break the file into smaller sizes and upload it. |
| 2     | I'd also like to confirm if the maximum number of firms that can make the consortium/joint venture is restricted?<br>Assignment Name: “Consulting Services for Detailed Survey and updated Line Design for 30 km of Changes in 400 kV Transmission Line Route Alignment” MCA-NEPAL/ETP/QCBS/009 ." | There is no maximum limit on number of firms that can form consortium/joint venture. However, there are requirements stated in the RFP that need to be fulfilled by all members of a consortium/joint venture.   |
| 3     | As mentioned in form Tech 2A- Financial Capacity of the Consultant, Could you please elaborate exactly what document you are seeking/required as Evidence of financing (US\$150,000) dedicated   | The requirement stated under TECH-2A is “Evidence of financing (US\$150,000)   |

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|   | <p>for the implementation of the consulting services as attested by an authorized representative of the Consultant ?</p> <p>Is this a part of an audit report or need to show credit certificates from bank or something else?</p> <p>We will be happy to furnish correct document once you clarify this clause.</p> | <p>dedicated for the implementation of the consulting services as <b>attested by an authorized representative of the Consultant.</b>"</p> <p>You need to submit evidence of availability of financial resources in an amount of US\$150,000 for the implementation of this consulting service in case you would be awarded the Contract. The document/evidence to submit could be a letter from your bank stating that you have US\$150,000 in your bank account (or your Bank will make available this amount for you) and could be available for this project, which could be attested by your authorized representative too.</p> <p>You may provide a statement identifying the amount of US\$150,000 available under your audit report as evidence of financing dedicated for the implementation of this consulting services in case you be awarded this contract and the statement shall be attested by your authorized representative.</p> |
| 4 | <p>We are unable to open following documents in Annex of ToR documents: -</p> <p>1) Enclosure of Annex. -A</p> <p>2) Annx-1 of sub-Annex. -F.</p>  | <p>To open this file, you need to use Google Earth.</p> <p>Annex-1 of Annex F is attached to this clarification</p>  |
| 5 | <p>The documents revealed that Annex 1 to Annex F "Communication and Health &amp; Safety Plan for Geo-tech and Pegging Activities' is not</p>  | <p>Please note that Annex 1 is a KMZ file and you need</p>   |

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|   | <p>legible (please refer extracted image below). We would appreciate if you could please share a readable copy of the same.</p> <p style="text-align: center;">ANNEX 1</p> <p style="text-align: center;"> <u>ljB't k  ;f/Of cfof]hgf</u><br/> <u>/flI6«o uf)/]sf] nlK;km]bL — a'6jn \$)) s]= le= ljB't k  ;f/Of</u><br/> <u>nfO{g cfof]hgfsf] 6fj/:ynx?sf] ;e}{IfOf Pj+ lsnf uf8\g} s ddf</u><br/> <u>ePsf] Ifltsf] ;f]wegf{ laj/Of</u> </p> <hr/> <p>o; cfof]hgfsf nflu k  :tfijt 6fj/:ynx? kixrfg ul/ ;e}{IfOf Pj+ lsnf uf8\g} s ddf,<br/>     === lhNnf, ===<br/>     g=kf=+uf=kf=, === j8f, === ls=g+= sf] hUufwgl &gt;L ===<br/>     === sf] hUufdf nufO{Psf]</p>   | <p>Google earth to see this, we can not provide you a copy of it.</p> <p>For Annex B to Annex F please find the PDF version attached herewith this clarification #1.</p> <p>Please note that the information is in Nepali font,</p>  |
| 6 | <p><b>Ref Clause:</b> Section II. Proposal Data Sheet ITC 18.1</p> <p><b>Provision as per RfP:</b> For electronic submission purposes only, use the FRL in PDS ITC 17.3 c) The deadline for submission of Proposals is as follows: 15:00 hours (local time of Nepal (GMT+5:45)) on 17 November 2021</p> <p><b>Clarification requested/ Query:</b> Considering the quantum of Consultancy Scope and ongoing festive season in India &amp; Nepal (Dasain/Deepawali/Tihar), we request you to extend the bid submission deadline by at least 03 Weeks so as to enable us submit our most comprehensive techno-economic proposal.</p>   | <p>The request is noted. MCA-Nepal will review the request and if MCA-Nepal team would consider the request for any time extension. In case of approval of any time extension, the addendum to the RFP to be issued will be based on MCA-Nepal’s assessment of the appropriate number of days to be granted as time extension.</p> |
| 7 | <p><b>Ref Clause:</b> Section III – Qualification and Evaluation Criteria 3 Professional Staff</p> <p><b>Provision as per RfP:</b></p> <ul style="list-style-type: none"> <li>✓ Gender and Social Specialist – 1 Person:</li> <li>✓ Shall have master’s degree in an appropriate social science area,</li> <li>✓ 7 years of professional experience.</li> <li>✓ Experience in International Finance Corporation (IFC) Environmental and Social Performance Standards (or similar international standard) and related studies and surveys for transmission line project of similar scale. (Experience shall include execution of at least one ESIA for a new 10km overhead line in last 5 years in similar terrain (combination of mountains and plains, urban and forest areas)).</li> <li>✓ Experience in hilly and mountainous areas, with social and gender related impacts of resettlement and linear infrastructure in mountainous terrain, in socially sensitive situations.</li> </ul> | <p>Similar standard under ADB funded or other donor agencies shall be given equal marking.</p> <p>Gender and Social Specialist is a key personnel and an addendum to this respect shall be issued.</p>   |

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|   | <ul style="list-style-type: none"> <li>✓ Excellent communication skills in written and spoken English and Nepali languages.</li> </ul> <p><b>Clarification requested/ Query:</b></p> <ul style="list-style-type: none"> <li>✓ As per the provision in the RFP, the Consultant must have experience in International Finance Corporation (IFC) Environmental and Social Performance Standards (or similar international Standard)..... Please clarify whether the experiences in similar standard under ADB funded or other donor agencies will be given equal marking during the evaluation.</li> <li>✓ Furthermore, as per Section V- Terms of Reference (ToR), the position of Gender and Social Specialist is categorized as Non-Key expert. Kindly clarify.</li> </ul>   |  |
| 8 | <p><b>Ref Clause:</b> Section III – Qualification and Evaluation Criteria 3.7 Qualification Table,</p> <p><b>Provision as per RfP:</b> As per Factor 3.7.4.2 General &amp; Specific Experience of the Table, the Sub-Consultant must meet at least one specialized requirement stated below as note #1. As per Note 1, the sub consultant must satisfy the General &amp; Specific Experience requirements for the tasks for which the consultant is proposing the sub consultant. Kindly provide in details about the General &amp; Specific Experience requirements for the tasks as stated in Note 1</p> <p><b>Clarification requested/ Query:</b></p> <ul style="list-style-type: none"> <li>✓ We understand that either one between general or specific experience needed to be satisfied by the sub consultant. Kindly clarify.</li> <li>✓ It is requested please clarify the type of evidence to substantiate such requirement.</li> </ul> | <p>As per the RFP provisions, the proposed sub-consultant must satisfy both <b>general</b> and specific experience requirements. However, MCA-Nepal will review this requirement and may issue the addendum.</p> <p>The Consultant must submit information about the scope of works, expected value of it to be sub-consulted and the experience information in form Tech-4, which can provide information that the proposed sub-consultant has experience in carrying out similar works of similar value in past.</p> |
| 9 | <p><b>Ref Clause:</b><br/>Section VI – General Conditions of Contract   Resident Project Manager 10.5<br/>Section VII - Special Conditions of Contract (SCC)   GCC 10.5</p> <p><b>Provision as per RfP:</b></p> <p>If required by the SCC, the Consultant shall ensure that at all times during the Consultant’s performance of the Services in the MCA Country a resident project manager, acceptable to the MCA Entity,</p>  | <p>The SCC clearly indicates that “A resident project manager <b>shall</b> be required for the duration of this Contract. The resident project manager is same as Team Leader.”. Thus, The Team Leader is required full time for the assignment.</p>   |

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|    | <p>shall take charge of the performance of such Services.</p> <p>A resident project manager shall be required for the duration of this Contract. The resident project manager is same as Team Leader.</p> <p><b>Clarification requested/ Query:</b><br/>         Considering the scope of services, it is felt that Team Leader is not required to be deputed in Nepal as Resident Engineer for complete period of the assignment (05 Months). Please clarify.</p> |  |
| 10 | <p>TECH-2A “Certified financial statements for the last three (3) years, supported by tax returns”:<br/>         What Consultant has to submit in TECH-2A to respond to requirement of Certified financial statements supported by tax returns?</p>  | <p>The requirement is:</p> <p>The Consultants should submit with their proposal the following:</p> <ul style="list-style-type: none"> <li>• Audited financial statements for the last three (3) years, supported by audit letters or</li> <li>• Certified financial statements for the last three (3) years, supported by tax returns and,</li> <li>• Evidence of financing (US\$150,000) dedicated for the implementation of the consulting services as attested by an authorized representative of the Consultant.</li> </ul> <p>Thus, consultants are required to submit either “Audited financial statements for the last three (3) years” or “Certified financial statements for the last three (3) years, supported by tax returns”.</p> |

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|    |   | Thus, if as per law you do not have Audited financial statements, then you may submit Certified financial statements for the last three (3) years, supported by tax returns.  |
| 11 | TECH-2A "Evidence of financing (US\$150,000) dedicated for the implementation of the consulting services as attested by an authorized representative of the Consultant":<br>Please clarify what kind of declaration the Consultant has to submit for responding appropriately to your request?                                    | Please refer response to point 3 above.   |
| 12 | ITC 18.1 Deadline for proposal submission 17 November 2021 15:00 hours (local time of Nepal):<br>Due to very short time remaining to prepare all the necessary documents required in Proposal Data Sheet, We request to extend the delivery submission date of 2 additional weeks from the expected deadline of 17 November 2021. | The request is noted. MCA-Nepal will review the request and if MCA-Nepal team would consider the request for any time extension. In case of approval of any time extension, the addendum to the RFP to be issued will be based on MCA-Nepal's assessment of the appropriate number of days to be granted as time extension. |

# ANNEX – 1 of ANNEX F

## ANNEX 1

### विद्युत प्रसारण आयोजना

राष्ट्रिय गौरवको लप्सिफेदी – बुटवल ४०० के. भि. विद्युत प्रसारण लाईन आयोजनाको टावरस्थलहरुको सर्भेक्षण एवं किला गाड्ने क्रममा भएको क्षतिको सोधभर्ना विवरण

यस आयोजनाका लागि प्रस्तावित टावरस्थलहरु पहिचान गरि सर्भेक्षण एवं किला गाड्ने क्रममा, ... .. जिल्ला, ... .. न.पा./गा.पा., ... .. वडा, ... .. कि.नं. को जग्गाधनी श्री ... .. को जग्गामा लगाईएको बाली तथा सम्पत्तिमा हुन गएको क्षति बापत निम्नानुसार मूल्याङ्कन गरि क्षतिपूर्ति उपलब्ध गर्ने गराउने सम्बन्धमा निम्न उल्लेखित विवरण साँचो भएको व्यहोरा प्रमाणित गरिएको छ ।

### क्षतिको विवरण

| क्र.स.           | विवरण   | इकाई      | परिमाण | दर | रकम रु |
|------------------|---|-----------|--------|----|--------|
| १                | क्षतिबाट प्रभावित जग्गा (लम्बाई ..<br>..... चौडाई .. .. )           | वर्गमिटर  |        | –  | –      |
| २                | जग्गामा लगाएको बालिको अनुमानित<br>क्षति (बालिको प्रकार .. ..<br>..) | किलो/पाथि |        |    |        |
| <b>जम्मा रकम</b> |   |           |        |    |        |

अक्षरूपी रुपैयाँ : .. ..

बुझिलिनेको नाम : .. ..

हस्ताक्षर : .. ..

मिति :

यदि जग्गाधनी र क्षतिपूर्ति रकम बुझ्ने व्यक्ति फरक भएमा जग्गा धनीको समेत हस्ताक्षर गराउने ।

# ANNEX B TO ANNEX F OF TERMS OF REFERENCE



Annex B to F.pdf



## Annex – B

**Tentative information about the coordinates of the changed route as proposed by MCA - Nepal (Excel File) - However this does not relieve the Consultant to explore the best possible route. The Consultant should recommend the best possible alternate route, which is subject to acceptance of MCA – Nepal.**

### Additional survey of MCA-Nepal Transmission Line

| S.N | Description of TL segment to resurvey | No of Tower Proposed in changed alignment | Remarks   |
|-----|---------------------------------------|---|---|
|     |                                       | nos                                       |   |
| 1   | India Border to New Butwal            | 16  | 15-21, 45-51  |
| 2   | New Butwal to New Damauli             | 4   | 198,144-145   |
| 3   | Ratmate to New Damauli                | 24  | 3,5,6,87,88,111, 112,<br>175,173,178, 179, 184-186,<br>186/1, 186/2, 214,216, 235,245,<br>245a, 246 |
| 4   | Ratmate to New Hetauda                | 26  | 2-5,43, 46-53, 132- 140 (T1-T8),<br>T9, BM1/1, BM1,10-13  |
| 5   | Ratmate to Lapsiphedi                 | 5   | 83,84,155-157   |
|     |                                       |   |   |
|     | <b>Total</b>                          | <b>75</b>                                 |   |

**India Border to New Butwal Segment**

| <b>India Border-New Butwal</b> | <b>Tower Type</b> | <b>AP/Centre (WGS 84, UTM)</b> |             | <b>Remarks</b> |
|--------------------------------|-------------------|--------------------------------|-------------|----------------|
| 16                             | D1A               | 766450.45                      | 3041865.38  | major          |
| 17                             | D1E               | 766203.55                      | 3042008.17  | „              |
| 17/1                           |                   | 766411.85                      | 3042308.21  | „              |
| 18                             | D1A               | 766516.54                      | 3042697.16  | „              |
| 19                             | D1E               | 766422.06                      | 3043076.13  | „              |
| 20                             | D1A               | 766226.12                      | 3043405.32  | „              |
| 21                             | D1A               | 766281.01                      | 3043778.10  | „              |
|                                |                   |                                |             |                |
| 43                             | D1A               | 172166.831                     | 3051907.501 | Minor          |
| 45                             | D1A               | 764746.00                      | 3050854.00  | major          |
| 45/1                           |                   | 764948.00                      | 3050916.00  | „              |
| 46                             | D1A               | 765003.20                      | 3051216.82  | „              |
| 47                             | D1C               | 764877.33                      | 3051352.15  | „              |
| 48                             | D1A               | 765030.54                      | 3051715.42  | „              |
| 48A                            |                   | 765229.39                      | 3052065.27  | „              |
| 49                             | D1A               | 765349.54                      | 3052270.37  | „              |
| 50                             | D1B               | 765416.14                      | 3052484.50  | „              |
| 51                             | D1D               | 765388.28                      | 3052752.47  | „              |
| New Butwal S/S                 | ARBOR             |                                |             |                |

**New Butwal to New Damauli Segment**

| New Butwal-New<br>Damauli | Tower Type | AP/Centre (WGS 84, UTM) |            | Remarks |
|---------------------------|------------|-------------------------|------------|---------|
|                           |            | Easting m               | Northing m |         |
| T No                      |            |                         |            |         |
| New Butwal S/S            | ARBOR      |                         |            |         |
| 144                       | D1E        | 793332.99               | 3086101.97 |         |
| 145                       | D1C        | 793701.77               | 3086117.94 |         |
| 146                       | D1E        | 794092.02               | 3086232.05 |         |
| 198                       | D1D        | 218357.96               | 3092890.52 | Minor   |

**Ratmate to New Damauli Segment**

| New Ratmate to New Damauli<br>T No | Tower Type | Ap/Centre (WGS 84, UTM) |               | Remarks |
|------------------------------------|------------|-------------------------|---------------|---------|
|                                    |            | Easting m               | Northing m    |         |
| 3                                  | D1E        | 234622.650              | 3096241.930   | minor   |
| 5                                  | D1A        | 235295.078              | 3096164.736   | minor   |
| 6                                  | D1E        | 235612.050              | 3096003.090   | minor   |
| 87                                 | D1B        | 257513.960              | 3082977.780   |         |
| 88                                 | D1A        | 84.539947 Deg           | 27.848046 deg | major   |
| 111                                | D1E        | 264611.01               | 3079676.96    |         |
| 112                                | D1C        | 265024.78               | 3079736.42    |         |
|                                    |            |                         |               |         |
| 178                                | D1A        | 287464.12               | 3076567.43    |         |
| 179                                | D1B        | 287615.20               | 3076706.00    |         |
| 176                                | D1D        | 286931.830              | 3076313.230   |         |
| 175                                |            | 27.794065 Deg           | 84.835646 Deg | Major   |
| 173                                | D1E        | 286931.830              | 3076313.230   | Minor   |
| 184                                | D1E        | 288425.19               | 3078091.96    |         |
| 185                                | D1E        | 288436.95               | 3078263.00    |         |
| 186                                | D1E        | 288534.00               | 3078474.00    |         |
| 186/1                              |            | 288644.00               | 3078517.00    |         |
| 186/2                              |            | 288887.00               | 3078432.00    |         |
| 214                                | D1FS       | 297891.410              | 3080813.620   | minor   |
| 216                                | D1A        | 298331.464              | 3081129.829   | Major   |
| 235                                | D1C        | 85.014366 Deg           | 27.856367 Deg | major   |
| 245                                | D1B        | 307351.96               | 3081903.96    |         |
| 245/A                              |            | 307572.98               | 3081876.05    |         |
| 246                                | D1E        | 307802.00               | 3081832.00    |         |
|                                    |            |                         |               |         |

**Ratmate to New Hetauda Segment**

| New Ratmate to New Hetauda<br>T No | Tower type | AP/Centre (WGS 84) |            | Remarks   |
|------------------------------------|------------|--------------------|------------|---|
|                                    |            | Easting m          | Northing m |   |
| 246/2 (Quad)                       | D1E        | 307802.00          | 3081833.00 | Quad Ckts   |
| 3                                  | D1B        | 307958.31          | 3081481.32 |   |
| 4                                  | D1A        | 308036.85          | 3081228.69 |   |
| 5                                  | D1B        | 307844.85          | 3080840.51 |   |
| 10                                 | D1A        | 307520.91          | 3079084.31 | minor   |
| 11                                 | D1A        | 307344.54          | 3078864.34 | minor   |
| 12                                 | D1E        | 307124.07          | 3078589.37 | minor   |
| 13                                 | D1B        | 307110.55          | 3078268.92 | Only from AP12-AP13 need to do detail survey, for additional of 75 m length |
| 43                                 | D1D        | 303550.16          | 3066418.96 | minor   |
| 46                                 | D1FS       | 303032.41          | 3065384.59 |   |
| 47                                 | D1FS       | 302747.96          | 3064667.97 |   |
| 48                                 | D1B        | 302083.00          | 3064373.00 |   |
| 49                                 | D1B        | 301748.00          | 3064252.00 |   |
| 50                                 | D1E        | 301245.00          | 3063999.00 |   |
| 51                                 | D1B        | 300697.00          | 3063667.00 |   |
| 52                                 | D1A        | 300374.00          | 3063414.00 |   |
| 53                                 | D1B        | 300171.22          | 3063156.65 |   |
| 58                                 | D1D        | 299952.78          | 3062879.50 |   |
| 132                                | D1FS       | 303091.62          | 3037180.06 |   |
| 133 Changed as T1                  | D1C        | 303540.00          | 3036899.00 |   |
| 134 Changed as T2                  | D1A        | 303830.00          | 3036417.00 |   |
| 135 Changed as T3                  | D1E        | 304004.00          | 3036143.00 |   |
| 136 Changed as T4                  | D1E        | 304292.00          | 3035938.00 |   |
| 137 Changed as T5                  | D1E        | 304304.96          | 3035709.96 | Monopole  |
| 138 Changed as T6                  | D1E        | 304144.97          | 3035493.95 | Monopole  |
| 139 Changed as T7                  | D1E        | 303910.01          | 3035278.02 | Monopole  |
| 140 Changed as T8                  | D1E        | 303743.02          | 3035188.03 | Monopole  |
| T9                                 |            | 303241.98          | 3035119.01 | Monopole  |
| BM1/1 (NEA 400kV HDD Tower)        |            | 303000.08          | 3035113.24 | Shared Quad Tower with NEA.   |
| BM1 (NEA 400kV HDD Tower)          |            | 302975.57          | 3035465.87 | Shared Quad Tower with NEA.   |
| New Hetauda S/S                    |            | 302971.00          | 3035542.00 | Substation Tower/Gantry   |

**Ratmate to Lapsipedi Segment**

| Ratmate-Lapsipedi<br>T No | Tower Type | AP/Centre (WGS 84, UTM) |              | Remarks |
|---------------------------|------------|-------------------------|--------------|---------|
|                           |            | Easting (m)             | Northing (m) |         |
| 1                         | -          | 353209.00               | 3071078.00   |         |
| 2                         | -          | 353536.00               | 3071218.00   |         |
| 3                         | -          | 354019.00               | 3071408.00   |         |
| 4                         | -          | 353983.00               | 3071657.00   |         |
| 5                         | -          | 353855.00               | 3071718.00   |         |
| 6                         | -          | 353797.00               | 3071883.00   |         |
| 7                         | -          | 353571.00               | 3072111.00   |         |
| 83                        | D1B        | 333890.00               | 3083047.00   |         |
| 84                        | D1C        | 334113.00               | 3083039.00   |         |

Notes: Tower locations under stronge Grievances are 157,156 & 155.

The possible alignment proposed is starting from 158 along towers 1-7 to tower no 154.

**Annex – C**  
**Basis for Line Length Estimation (Excel file)**



### Additional Survey of MCA-Nepal Transmission Line

| S.N | Description of TL segment  | Length    | Remarks |
|-----|----------------------------|-----------|---------|
|     |                            | km        |         |
| 1   | India Border to New Butwal | 5.592     |         |
| 2   | New Butwal to New Damauli  | 1.597     |         |
| 3   | Ratmate to New Damauli     | 7.585     |         |
| 4   | Ratmate to New Hetauda     | 9.858     |         |
| 5   | Ratmate to Lapsiphedi      | 3.448     |         |
|     |                            |           |         |
|     | <b>Total</b>               | <b>28</b> |         |
|     | Say                        | 30 km     |         |

**India Border to New Damauli Segment**

| India Border-New Butwal | Tower Type | AP/Centre (WGS 84, UTM) |              | Span   | AP/Centre (Long Lat) |            | Remarks |
|-------------------------|------------|-------------------------|--------------|--------|----------------------|------------|---------|
|                         |            | Easting (m)             | Northing (m) |        | Longitude            | Latitude   |         |
| T No                    |            |                         |              | m      |                      |            |         |
| 15                      | D1A        | 766719.13               | 3041561.85   |        |                      |            |         |
| 16                      | D1A        | 766450.45               | 3041865.38   | 405.36 | 83.696413°           | 27.474312° |         |
| 17                      | D1E        | 766203.55               | 3042008.17   | 285.22 | 83.693948°           | 27.475648° |         |
| 17/1                    |            | 766411.85               | 3042308.21   | 365.26 | 83.696120°           | 27.478313° |         |
| 18                      | D1A        | 766516.54               | 3042697.16   | 402.79 | 83.697264°           | 27.481800° |         |
| 19                      | D1E        | 766422.06               | 3043076.13   | 390.57 | 83.696392°           | 27.485236° |         |
| 20                      | D1A        | 766226.12               | 3043405.32   | 383.09 | 83.694483°           | 27.488243° |         |
| 21                      | D1A        | 766281.01               | 3043778.10   | 376.80 | 83.695120°           | 27.491594° |         |
| 22                      | D1A        | 766470.92               | 3044075.12   | 352.54 |                      |            |         |
|                         |            |                         |              |        |                      |            |         |
| 44                      | D1A        | 764713.55               | 3050586.13   |        |                      |            |         |
| 45                      | D1A        | 764746.00               | 3050854.00   | 269.83 | 83.683212°           | 27.556227° |         |
| 45/1                    |            | 764948.00               | 3050916.00   | 211.30 |                      |            |         |
| 46                      | D1A        | 765003.20               | 3051216.82   | 305.84 | 83.683828°           | 27.558926° |         |
| 47                      | D1C        | 764877.33               | 3051352.15   | 184.82 | 83.682584°           | 27.560171° |         |
| 48                      | D1A        | 765030.54               | 3051715.42   | 394.26 | 83.684214°           | 27.563417° |         |
| 48A                     |            | 765229.39               | 3052065.27   | 402.41 | 83.686303°           | 27.566533° |         |
| 49                      | D1A        | 765349.54               | 3052270.37   | 237.70 | 83.687564°           | 27.568359° |         |
| 50                      | D1B        | 765416.14               | 3052484.50   | 224.25 | 83.688285°           | 27.570277° |         |
| 51                      | D1D        | 765388.28               | 3052752.47   | 269.41 | 83.688062°           | 27.572699° |         |
| New Butwal S/S          | ARBOR      | 765385.12               | 3052882.60   | 130.17 |                      |            |         |

Total line length of additional survey

5591.62 m



**Ratmate to New Damauli Segment**

| New Ratmate to New Damauli<br>T No | Tower Type | Ap/Centre (WGS 84, UTM) |             | Span (m) | Cum. Span (m) | Centre (Based on Grievances Redr) |            | Remarks                      |
|------------------------------------|------------|-------------------------|-------------|----------|---------------|-----------------------------------|------------|------------------------------|
|                                    |            | Eastings m              | Northing m  |          |               | Longitudinal                      | Latitude   |                              |
| 3                                  | D1E        | 234622.650              | 3096241.930 |          |               |                                   |            |                              |
| 5                                  | D1A        | 235295.078              | 3096164.736 | 676.84   |               |                                   |            |                              |
| 6                                  | D1E        | 235612.050              | 3096003.090 | 355.81   |               |                                   |            |                              |
| 87                                 | D1B        | 257513.960              | 3082977.780 |          |               |                                   |            |                              |
| 88                                 |            | 257740.00               | 3082800.00  | 287.58   |               |                                   |            |                              |
|                                    |            |                         |             |          |               |                                   |            |                              |
| 110                                | D1B        | 264249.73               | 3079790.66  |          |               |                                   |            |                              |
| 111                                | D1E        | 264611.01               | 3079676.96  | 378.75   | 378.75        | 84.610280°                        | 27.821101° |                              |
| 112                                | D1C        | 265024.78               | 3079736.42  | 418.02   | 796.77        | 84.614466°                        | 27.821710° |                              |
| 114                                | D1B        | 265357.78               | 3079701.43  | 334.83   | 1131.60       |                                   |            |                              |
|                                    |            |                         |             |          | 1131.60       |                                   |            |                              |
| 173                                |            | 286139.38               | 3076184.37  |          |               |                                   |            |                              |
| 175                                |            | 286763.00               | 3076268.00  | 629.20   |               |                                   |            |                              |
| 176                                |            | 286931.830              | 3076313.230 | 174.78   |               |                                   |            |                              |
| 177                                | D1E        | 287323.30               | 3076379.55  | 397.05   | 1528.65       |                                   |            |                              |
| 178                                | D1A        | 287464.12               | 3076567.43  | 234.80   | 1763.45       | 84.842703°                        | 27.796870° |                              |
| 179                                | D1B        | 287615.20               | 3076706.00  | 205.00   | 1968.45       | 84.844211°                        | 27.798144° |                              |
| 180                                | D1B        | 288039.57               | 3077103.32  | 581.34   | 2549.79       |                                   |            |                              |
|                                    |            |                         |             |          | 2549.79       |                                   |            |                              |
| 183                                | D1B        | 288518.03               | 3077632.88  |          | 2549.79       |                                   |            |                              |
| 184                                | D1E        | 288425.19               | 3078091.96  | 468.37   | 3018.16       | 84.852182°                        | 27.810775° |                              |
| 185                                | D1E        | 288436.95               | 3078263.00  | 171.44   | 3189.61       | 84.852271°                        | 27.812320° |                              |
| 186                                | D1E        | 288534.00               | 3078474.00  | 232.25   | 3421.86       | 84.853218°                        | 27.814239° |                              |
| 186/1                              |            | 288644.00               | 3078517.00  | 118.11   | 3539.96       | 84.854327°                        | 27.814644° |                              |
| 186/2                              |            | 288887.00               | 3078432.00  | 257.44   | 3797.40       | 84.856807°                        | 27.813915° |                              |
| 187                                | D1E        | 289097.43               | 3078410.66  | 211.51   | 4008.91       |                                   |            |                              |
| 214                                | D1FS       | 297891.410              | 3080813.620 |          |               |                                   |            |                              |
| 216                                | D1A        | 298331.464              | 3081129.829 | 541.88   |               |                                   |            |                              |
| 235                                |            | 304487.00               | 3082875.00  |          |               |                                   |            |                              |
|                                    |            |                         |             |          | 4008.91       |                                   |            |                              |
| 244                                | D1A        | 307196.69               | 3081982.11  |          | 4008.91       |                                   |            |                              |
| 245                                | D1B        | 307351.96               | 3081903.96  | 173.83   | 4182.74       | 85.043606°                        | 27.848022° | Tower types will be changed. |
| 245/A                              |            | 307572.98               | 3081876.05  | 222.78   | 4405.51       | 85.045854°                        | 27.847802° | New tower between 244 & 245  |
| 246                                | D1E        | 307802.00               | 3081832.00  | 233.22   | 4638.73       | 85.048186°                        | 27.847446° | Double Ckts tower (246/2)    |
| 247                                | D1E        | 308003.67               | 3082026.21  | 279.98   | 4918.71       |                                   |            |                              |

Total line length for additional survey

7584.81 m

Ratmate to New Hetauda Segment

| New Ratmate to New Hetauda  | Tower type | AP/Centre (WGS 84) |            | Span m | AP/Centre (Based on Grievances Redressal) |            | Remarks                      |       |
|-----------------------------|------------|--------------------|------------|--------|---|------------|------------------------------|-------|
|                             |            | Easting m          | Northing m |        | Longitudinal                              | Latitude   |                              |       |
| T No                        |            |                    |            |        |   |            |                              |       |
| New Ratmate S/S             | ARBOR      | 308073.00          | 3082041.56 |        |   |            |                              |       |
| 1                           |            | 308003.00          | 3082026.00 |        |   |            |                              |       |
| 246/2 (Quad)                | D1E        | 307802.00          | 3081833.00 |        | 85.048186°                                | 27.847446° | Quad Ckts                    |       |
| 3                           | D1B        | 307958.31          | 3081481.32 | 384.85 | 85.049829°                                | 27.844296° | Tower types will be changed! |       |
| 4                           | D1A        | 308036.85          | 3081228.69 | 264.56 | 85.050667°                                | 27.842028° |                              |       |
| 5                           | D1B        | 307844.85          | 3080840.51 | 433.07 |   |            |                              |       |
| 10                          | D1A        | 307520.91          | 3079084.31 |        |   |            |                              | Minor |
| 11                          | D1A        | 307344.54          | 3078864.34 |        |   |            |                              | Minor |
| 12                          | D1E        | 307124.07          | 3078589.37 | 352.44 |   |            | Minor                        |       |
| 13                          | D1B        | 307110.55          | 3078268.92 | 320.74 |   |            | Major                        |       |
| 46                          | D1FS       | 303032.41          | 3065384.59 |        |   |            |                              |       |
| 47                          | D1FS       | 302747.96          | 3064667.97 | 771.01 | 84.999721°                                | 27.691847° |                              |       |
| 48                          | D1B        | 302083.00          | 3064373.00 | 727.45 | 84.993030°                                | 27.689088° |                              |       |
| 49                          | D1B        | 301748.00          | 3064252.00 | 356.18 | 84.989655°                                | 27.687947° |                              |       |
| 50                          | D1E        | 301245.00          | 3063999.00 | 563.04 | 84.984598°                                | 27.685591° |                              |       |
| 51                          | D1B        | 300697.00          | 3063667.00 | 640.72 | 84.979100°                                | 27.682514° |                              |       |
| 52                          | D1A        | 300374.00          | 3063414.00 | 410.29 | 84.975868°                                | 27.680184° |                              |       |
| 53                          | D1B        | 300171.22          | 3063156.65 | 327.64 | 84.973856°                                | 27.677832° |                              |       |
| 58                          | D1D        | 299952.78          | 3062879.50 | 352.89 |   |            |                              |       |
| 132                         | D1FS       | 303091.62          | 3037180.06 |        |   |            |                              |       |
| 133 Changed as T1           | D1C        | 303540.00          | 3036899.00 | 529.19 | 85.012270°                                | 27.441420° |                              |       |
| 134 Changed as T2           | D1A        | 303830.00          | 3036417.00 | 562.52 | 85.015280°                                | 27.437113° |                              |       |
| 135 Changed as T3           | D1E        | 304004.00          | 3036143.00 | 324.58 | 85.017084°                                | 27.434666° |                              |       |
| 136 Changed as T4           | D1E        | 304292.00          | 3035938.00 | 353.51 | 85.020029°                                | 27.432858° |                              |       |
| 137 Changed as T5           | D1E        | 304304.96          | 3035709.96 | 228.41 | 85.020197°                                | 27.430802° | Monopole                     |       |
| 138 Changed as T6           | D1E        | 304144.97          | 3035493.95 | 268.81 | 85.018614°                                | 27.428830° | Monopole                     |       |
| 139 Changed as T7           | D1E        | 303910.01          | 3035278.02 | 319.11 | 85.016273°                                | 27.426848° | Monopole                     |       |
| 140 Changed as T8           | D1E        | 303743.02          | 3035188.03 | 189.69 | 85.014599°                                | 27.426012° | Monopole                     |       |
| T9                          |            | 303241.98          | 3035119.01 | 505.77 | 85.009544°                                | 27.425317° | Monopole                     |       |
| BM1/1 (NEA 400kV HDD Tower) |            | 303000.08          | 3035113.24 | 241.97 | 85.007099°                                | 27.425230° | Shared Quad Tower with NEA.  |       |
| BM1 (NEA 400kV HDD Tower)   |            | 302975.57          | 3035465.87 | 353.48 | 85.006794°                                | 27.428408° | Shared Quad Tower with NEA.  |       |
| New Hetauda S/S             |            | 302971.00          | 3035542.00 | 76.27  | 85.006737°                                | 27.429095° | Substation Tower/Gantry      |       |

Total line length of additional survey

9858.18

**Ratmate to Lapsiphedhi Segment**

| Ratmate-Lapsiphedhi<br>T No | Tower Type | AP/Centre (WGS 84, UTM) |              | Span<br>m      | Remarks              |
|-----------------------------|------------|-------------------------|--------------|----------------|----------------------|
|                             |            | Easting (m)             | Northing (m) |                |                      |
| 158                         |            | 352905.52               | 3070963.65   |                |                      |
| 1                           |            | 353209.00               | 3071078.00   | 324.31         | Approximate location |
| 2                           |            | 353536.00               | 3071218.00   | 355.71         | „                    |
| 3                           |            | 354019.00               | 3071408.00   | 519.03         | „                    |
| 4                           |            | 353983.00               | 3071657.00   | 251.59         | „                    |
| 5                           |            | 353855.00               | 3071718.00   | 141.79         | „                    |
| 6                           |            | 353797.00               | 3071883.00   | 174.90         | „                    |
| 7                           |            | 353571.00               | 3072111.00   | 321.03         | „                    |
| 154                         |            | 353294.052              | 3072788.668  | 732.08         | „                    |
| 82                          |            | 333486.491              | 3083019.162  |                | „                    |
| 83                          |            | 333890.00               | 3083047.00   | 404.47         | „                    |
| 84                          |            | 334113.00               | 3083039.00   | 223.14         | „                    |
| <b>Total:</b>               |            |                         |              | <b>3448.04</b> | <b>m</b>             |

## Annex - D

Summary table of changed alignment section wise

**Summary of all sections in proposed change alignment**

| S.N | Section      | Towers under change | No of Tower under change (no) | Tentative segment length (km) | Remarks     |
|-----|--------------|---------------------|-------------------------------|-------------------------------|-------------|
| 1   | LF-RM        |                     |                               | 3.6                           |             |
|     | Section 1    | 157-154             | 3                             |                               |             |
|     | Section 2    | 82-85               | 2                             |                               | Minor shift |
| 2   | RM-NH        |                     |                               | 10                            |             |
|     | Section 1    | 1-5                 | 3                             |                               |             |
|     | Section 2    | 46-58               | 10                            |                               |             |
|     | Section 3    | 132-140             | 9                             |                               |             |
|     | Section 4    | 10-13               | 3                             |                               |             |
|     | Section 5    | 43                  | 1                             |                               | Minor shift |
| 3   | ND-RM        |                     |                               | 8                             |             |
|     | Section 1    | 246-249             | 3                             |                               |             |
|     | Section 2    | 183-187             | 3                             |                               |             |
|     | Section 3    | 177-180             | 2                             |                               |             |
|     | Section 4    | 173-176             | 2                             |                               |             |
|     | Section 5    | 110-114             | 3                             |                               |             |
|     | Section 6    | 234-236             | 1                             |                               |             |
|     | Section 7    | 87-89               | 1                             |                               | Minor shift |
|     | Section 8    | 214-216             | 2                             |                               |             |
| 4   | NB-ND        |                     |                               | 1.7                           |             |
|     | Section 1    | 143-147             | 3                             |                               |             |
|     | Section 2    | 197-199             | 1                             |                               |             |
| 5   | IN-NB        |                     |                               | 5.7                           |             |
|     | Section 1    | 15-21               | 6                             |                               |             |
|     | Section 2    | 45-51               | 6                             |                               |             |
|     | <b>Total</b> |                     | <b>64</b>                     | <b>29 km</b>                  | Tentative   |











Note: These sections can be viewed in kmz file.



Annex – E

**Schedule of Work and Deliverables for Additional Works**

**Detailed Survey for 30 km of Changes in 400 kV Transmission Line Route Alignment**

| S.No. | Task Name  | Duration (Days)                              |  |  |   |   |   | Remark |
|-------|--|--|--|--|---|---|---|--------|
|       |  |  | 1st Month  | 2nd Month  | 3rd Month   | 4th Month   | 5th Month   |        |
| 1     | <b>Work and Deliverables Schedule</b>              | 150 days from Contract Effective Date        |  |  |   |   |   |        |
| 2     | <b>Contract Effective Date</b>                     |  |  |  |   |   |   |        |
| 3     | <b>Task 1 :</b>                                    | Within 30 days from Contract Effective Date  |  |  |   |   |   |        |
| a.    | Inception Report                                   |  |   |  |   |   |   |        |
| b.    | Walkover Survey report                             |  |  |  |   |   |   |        |
| 4     | <b>Task- 2</b>                                     | Within 90 days from Contract Effective Date  |  |   |   |   |   |        |
| a.    | Field Survey Report                                |  |  |   |   |   |   |        |
| b.    | Draft final Survey Report                          |  |  |  |  |   |   |        |
| 5     | <b>Task-3: Geo-Technical Investigation Report</b>  | Within 90 days from Contract Effective Date  |  |   |   |   |   |        |
| 6     | <b>Task-4: Environmental and Social Assessment</b> | Within 90 days from Contract Effective Date  |  |  |   |   |   |        |
| 7     | <b>Task-5:Pegging Report</b>                       | Within 120 days from Contract Effective Date |  |  |   |  |   |        |
| 8     | <b>Task-6 : Final Survey Report</b>                | Within 150 days from Contract Effective Date |  |  |   |   |  |        |

Annex - F

Communication and Health & Safety Plan for Geotech and Pegging Activities



**Communication and Health & Safety Plan for  
Geo-tech and Pegging Activities  
For  
Detailed Survey and updated Line Design for 30  
km of Changes in 400 kV Transmission Line Route  
Alignment**

**Millennium Challenge Account Nepal Development Board  
(MCA-Nepal)**

East Wing - 2nd & 3rd Floor, Lal Durbar Convention Centre  
Yak & Yeti Complex, Durbar Marg, Kathmandu

August 10, 2021

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## 1.0 INTRODUCTION

The Consultant for Detailed Feasibility Study (Tetra Tech) had proposed an alignment based on desk study with input from NEA. The PPTS Consultant (Stantec) hired for the project preparation reviewed the alignment to minimize social and environmental impacts using google earth and worldview aerial imagery supplemented by a reconnaissance survey. The route was then further surveyed by using LiDAR technology. The towers were then spotted using PLS- CADD and transferred to the ground and pegged. During the pegging process, local communities and the project affected families had shown their concerns and grievances in some of the line sections of the proposed alignment Hence, MCA-Nepal with technical inputs and field visits changed these alignments to address the concerns and grievances of the local communities and the PAFs. MCA-Nepal intends to hire a Consultant for the detailed survey of these various segments of changed alignment totaling about 30km.

The scope of work of the consultant is to carry out the task of additional detailed survey and carry on the engineering design, geo technical, environmental and social investigation of these changed alignments of about 30 km of 400 kV Quad Moose double circuit transmission line so that MCA-Nepal can hand over a feasible continuous line route for the entire line length to the Design and Build Contractor when mobilized. This document outlines the Communication and Health & Safety procedures to be followed during the execution of the tasks.

The pegging scope involves identification and verification of tower location as proposed by the survey and marking of its footprint with pegs.

In this regard, Communication and Health & Safety Plan is proposed for performance of all the activities mentioned above including pegging works. As per the prevalent law/act of Nepal a surveying entity is required to acquire a Survey-License from the Government of Nepal, but as per Clause 94 of the Electricity Regulation 2050, any Project taken up by the Government of Nepal is exempt from having to acquire a License. This Project being executed by the Government of Nepal through MCA-Nepal is legally exempt from the requirement of License and is thus authorized to conduct survey works along the transmission corridor in compliance with Nepali regulatory requirements and MCC environmental guidelines.

## 2.0 OBJECTIVE OF THE PLAN

The objectives of this plan are to:

- establish procedures to inform the concerned stakeholders (individuals, community, wards, municipalities, districts) prior to start of the survey work (Geo-tech, pegging etc.) at field. .
- set out roles and responsibilities of consultant's team and MCA-Nepal team. .
- establish an Environmental & Social, Health & Safety and communication norms for the field crews.

### **3.0 SCOPE OF SURVEY AND PEGGING**

The key tasks associated with survey and pegging activities will involve:

- Geo-Technical and environmental and social investigations along the 30 km alignment
- Identification and verification of tower points on the ground with the help of survey instruments (hand held GPS, DGPS and Total Station).
- Pegging of center-point and four corners of the tower foundation along with two directional pegs indicating the RoW direction.
- Verify the tower locations to ensure constructability and geological stability;
- Provide compensation payment for damages including crops (if any) caused by the survey or pegging team (refer to Annex 1). No tree clearing will be undertaken for the purpose of survey and pegging.

*Note: Should there be a need to identify a new location and footprint for a tower(s) due to concerns about constructability/stability, the new tower location will be demarcated following the process, as described above.*

Survey and pegging activities at each tower points shall be performed in consideration with following parameters:

- a. Physical environmental parameters of the alignment particularly in relation to geomorphology, soil and water bodies of the area, including flood risks;
- b. Impacts on habitats and biodiversity, particularly in riverine areas, Changes in the uses of land affected and impacts on land owners and communities,
- c. Socioeconomic and cultural concerns in the current route compared to earlier previous route, Gender and Social Inclusion aspects during the survey of the alignments,
- d. Identification and verification of tower points on the ground with the help of survey instruments (hand held GPS, DGPS and Total Station).
- e. Pegging at Tower center points and outer footprints shall be performed by using wooden pegs of Sal-wood, from sustainable and legal source of size 2.5" x 2.5"x 30" with the peg's head driven to the ground level, and a 3" iron nail driven on the top/head of the peg at its center with about 1" protruding. Pegs in cultivated field shall be buried 0.20 m below the surface.
- f. Pegging at a Distance of about 20 m along the centerline, on both side of the route alignment shall be done for the easy identification of directions of the route.
- g. Whenever possible, pegs shall have field reference ties to existing natural features and photographs. Sketches of these field ties should be maintained in a Project Field Book.
- h. Carry out Differential Global Positioning System (DGPS) survey to find accurate coordinates and elevations of tower positions and Direction points supplemented by a total station. The tolerances should be within centimeter.

Should there be any damages to the crops and assets, compensation shall be provided to the concerned owner based on actual damage in consent with the owner.

### **4.0 GENERAL PRINCIPLES OF FIELD WORK**

#### **4.1 KICK-OFF MEETING & TRAINING**

A kick off orientation/training meeting will be organized by the consultant before starting the field work for survey and pegging to provide the following information to the team:

- Project background
- Scope of survey and pegging

- Temporary access process
- Communication process
- Grievance Redressal Mechanism
- Role and responsibilities
- Good behavior on site
- FAQ

MCA-Nepal ESP and GSI team along with Environmental and Social experts from the consultant team will accompany the survey and pegging team to ensure the smooth and effective implementation of the plans (to ensure that procedures are followed), apprise of the pegging process, the temporary land access process, and set out roles and responsibilities of each. Consultant's technical and E&S team shall be responsible for following the process mentioned in the plans and procedures provided to them. Monitoring will be done by MCA-Nepal ESP and engineering team.

## **4.2 PRIOR NOTIFICATION TO LOCAL AUTHORITIES**

The survey and pegging consultant will provide five days prior notice to the concerned stakeholder (individuals, community, wards, municipalities and districts) prior to performance of survey work and provide a tentative schedule and map of the work to be performed. Any updates on the schedule should be communicated immediately to the team, stakeholders and conveyed to MCA-N.

MCA-Nepal will send an official letter for prior notification to all concerned wards, municipalities and forest offices as required regarding the survey and pegging activities at the project sites. The letter will include introduction of the project, activity that will be undertaken, and purpose for such activity on public and private land.

ESP CA from MCA-Nepal will follow up the letter with a visit to ward heads, municipality offices, CFUGs and other concerned office. Consultant shall deliver information to the concerned local communities and households in which survey and pegging will be done at least 2 days prior to start of work. Landowner's information (Parcel no., area etc.) will be noted. In case, the landowner is not present, the consultant will notify the available family member or care-taker of the household. Monitoring for this activity will be done by MCA-Nepal ESP team.

For towers in Community Forests, ESP CA will inform the concerned forest offices and the respective community forest user's executive committee members.

## **4.3 PEGGING SITE SELECTION**

The identified tower locations will be verified and pegged on site based on the survey data and coordinates available after detail survey. Should the team have concerns about constructability of the tower due to social or technical reasons, options shall be explored in consultation with MCA-N team.

General avoidance criteria (as far as applicable) within Corridor of Impact used for the overall revised alignment, will be applicable for these survey location and are listed below, for communication to the survey and pegging team, during the training.

- Avoidance of buildings/structures (private and community)
- Avoidance of homestead areas
- Avoidance of cultural heritage site, temple, religious forest



- Avoidance of important bio-diversity and bird areas
- Avoidance of area set aside for immediate future development by local development authorities

Consultant will be responsible to provide prior notice and information to local communities and landowners based on the calendar for survey and pegging works. Respective ESP CAs will facilitate and monitor the communication process and activities at field level.

#### 4.4 TEMPORARY LAND ACCESS PROCESS

Consultant and MCA-Nepal team shall jointly manage temporary access for survey and pegging sites on private land. MCA-Nepal will send a prior notification and requesting necessary cooperation to the local government bodies on the pegging team and activities to be initiated at the field.

**Government Land:** ESP CAs will notify the concerned ward, municipality, district administration offices as well as Division Forest Office and the CFUG executive committee members 5 days prior to pegging activities.

**Private Property:** Consultant's team will notify the concerned households, landowners and municipal authorities 2 days prior to pegging activities.

Compensation for any kinds of damages including crops and assets will be made by consultant and be documented in the format prescribed in Annex A.

A grievance redressal mechanism has been put in place at the MCA-Nepal District Office within the TL alignment, where survey and pegging will be carried out.

The Grievance redressal mechanism will be explained to the concerned land owners by the consultant's team and the ESP CA prior to the access. Any kinds of damages/grievances on private property and/or on crops from site activities will be handled under the grievance redressal mechanism outlined in the Stakeholder Engagement Plan (SEP) including compensation for incurred damages.

#### 4.5 POST ACCESS PROCESS

- Ensure that all equipment and materials are removed from site;
- Restore the affected land parcel to its pre-activity level, other than the stakes used to peg the location, which will remain installed;
- Ensure that the affected individual/household is satisfied with the closure of activity on the land parcel;
- If they are not satisfied, then explain the project's grievance redressal mechanism to them.
- Document all interactions and each household – keep a log of each activity, time of day, what happened, was a grievance raised, what was advised members of the PAF present

## 5.0 ROLES AND RESPONSIBILITIES

**MCA-Nepal:** MCA-Nepal ESP and GSI team will support the consultant to initiate the Stakeholder Engagement Process for the survey works and implement community consultation processes prior to the starts of survey works in order to manage environmental and social concerns including the grievances from the local communities along the alignment and also during the survey and pegging process.

**Consultant:** The role of the Consultant will be the following:

- Coordinate with the MCA-Nepal team prior to initiating the field work to ensure that the preparation works has been done as per the scope and plan;
- Deliver training to the survey and pegging team on Communication and H&S Plan as well as temporary land access procedure;
- To provide prior notice to the landowners for survey and pegging activities;
- Respond the query and questions of the concerned individual and/or household as well the communities in responsive manners in accordance with the communication plan and other supporting documents provided by MCA-Nepal,
- Forward the grievances that may be raised to the MCA-Nepal team.
- Compensate for any kinds of damages on crops and assets during survey and pegging activities, and to be documented in the format prescribed in Annex A.
- Ensure proper documentation of the entire process including photographic records of site before and after the completion of works, for each location.

**ESP CA:** The role of the ESP CA will be the following:

- Provide prior notice to concerned land owners, ward chairs, Forest Offices and CFUGs,
- Inform the landowners on the grievance redressal process;
- Monitor and facilitate the filed works and activities on behalf of MCA-Nepal, and regular briefings to concern supervisor.
- Register grievances that may be raised.

## 5.1 STAKEHOLDER ENGAGEMENT

The methodology for stakeholder engagement is detailed in Table 6.1 below.

Table 6.1: Purpose and methods of engagement

| Purpose of Engagement                  | Stakeholder Group Concerned  | Method of Engagement  | Key Messages to be Communicated  | Timeline for Engagement                                | Proposed location of Engagement                          | Responsible Entity   |
|--|--|---|--|--|--|--|
| Information of the intended activities | <p>Municipality and Ward Offices.</p> <p>Concerned land owners (private, government entities or collective entities such as CFUGs).</p> <p>Concerned government departments under whose jurisdiction the land falls.</p> | Official letter with work schedule;   | <p>The activities proposed and area to be surveyed and pegged.</p> <p>Briefing on MCA-Nepal Grievance Redressal Mechanism.</p> <p>Safeguards to be adopted to ensure minimal disturbances to the extent possible.</p> <p>Discussion on the proposed compensation process for damages, if any.</p> <p>Communication regarding the survey and pegging and how the physical markers should not be removed or damaged.</p> | At least 2 days prior to the initiation of activities. | At individual residence, community or concerned offices. | <p>Consultant at individual landowners and communities.</p> <p>ESP CAs at Municipality and Ward Offices, Concerned government departments.</p>                     |
| Information of task completion         | Concerned stakeholders   | Photograph of site before and after completion of survey and pegging works. | Update on the completion of the tasks.   | Upon completion of activities.                         | Pegging location at tower site.                          | Completion, closure and payment of compensation for damages, if any; and Photographic documentation of site before and after works completion by the Consultation. |

| Purpose of Engagement    | Stakeholder Group Concerned  | Method of Engagement                     | Key Messages to be Communicated  | Timeline for Engagement                                       | Proposed location of Engagement             | Responsible Entity |
|--------------------------|--|--|--|---|---|--------------------|
| Resolution of complaints | <p>Concerned land owners (private, government entities or collective entities such as CFUGs).</p> <p>Concerned government offices under whose jurisdiction the land falls.</p> | MCA-Nepal Grievance Redressal Mechanism. | <p>Nature and scale of complaint as documented, next steps, and agreement on resolution.</p> <p>Explanation of the Grievance redressal process and next steps, if complaint is not resolved.</p> | As soon as practicable after the event causing the complaint. | At survey/pegging site or concerned office. | MCA-Nepal          |

## 5.2 GENERAL

- The survey and pegging works are to be undertaken using portable equipment which can be mobilized and demobilized to the investigation sites without the creation of dedicated access roads and which enable the works to be undertaken within as small an area as practicable so as to minimize the level of disturbance to the surrounding land.
- The consultant shall complete all works in accordance with this Communication and Health & Safety Plan. The plan provides details of how all environmental safeguards are to be addressed while carrying out the steps in the consultant's method.
- Before starting the works at each site, the survey and pegging team are to be briefed by their team leader on the environmental measures and approaches in Communication and Health & Safety Plan, focusing on the practical measures which are particularly relevant for that site;
- At each of the investigation locations, the survey site and route must be selected so as to avoid damage to trees and vegetation (except small herbaceous vegetation but not crops or NTFPs);
- Worksites must be kept to a minimum practical area before commencing work to avoid encroachment or expansion into other areas;

## 5.3 DOCUMENTATION AND RECORD KEEPING

Interaction with concerned stakeholders as defined by SEP with the help of MCA-Nepal team and the land owners will be recorded. Records will include the location, people consulted, summary of key points discussed, concerns, action items etc., as applicable.

Key documents to be maintained for each location by consultant team and a copy of these documents to be maintained includes:

- Compensation for damages, if any;
- Receipt of payment by owners; and
- Summary note depicting photographs of site before access and after access.

## 6.0 HEALTH AND SAFETY PROTOCOL

The Consultant should prepare a site specific health & safety plan. Appropriate PPE (Personal Protective Equipment) such as Safety Jacket, Helmet, Safety Boots, gloves, ear muffs, mask, goggles, etc. shall be used according to the nature of work, as and when required as per the Consultant's Project Specific Safety Plan requirements.

### 6.1 TRAINING REQUIREMENT

The health & safety plan shall provide means and methods to identify hazards, implement controls, and enforce precautions and requirements for ensuring health and safety of field staff and property.

Health and safety orientation/ training shall remind the field crews about the potential health and safety hazards associated while travelling and performing survey and pegging works including the COVID-19 risks. Prior to mobilization, Consultant's Environmental Specialist

shall provide an orientation training to the field crews about the health and safety associated with performance of their work. The orientation will include an overview of the security plan, emergency information procedures, and other relevant information that would provide the crews with security information.

Consultant is required to verify that their personnel have received the necessary training and that documentation is available.

## **6.2 EMERGENCY CONTACT INFORMATION**

The team member present at site shall take immediate and necessary action and contact the appropriate emergency contacts in case an event of emergency occurs to Consultant's Coordinator and MCA-Nepal at contact address given below and other appropriate consultant employees, as required.

### **EMERGENCY CONTACTS**

| <b>Contact Persons</b> | <b>Phone Number</b> | <b>Email</b> |
|------------------------|---------------------|--------------|
|                        |                     |              |
|                        |                     |              |
|                        |                     |              |

# ANNEX 1

## विद्युत प्रसारण आयोजना

राष्ट्रिय गौरवको लप्सिफेदी – बुटवल ४०० के. भि. विद्युत प्रसारण लाईन आयोजनाको टावरस्थलहरुको सर्भेक्षण एवं किला गाड्ने क्रममा भएको क्षतिको सोधभर्ना विवरण

यस आयोजनाका लागि प्रस्तावित टावरस्थलहरु पहिचान गरि सर्भेक्षण एवं किला गाड्ने क्रममा, ...  
... .. जिल्ला, ... .. न.पा./गा.पा., ... .. वडा, ... .. कि.नं. को  
जग्गाधनी श्री ... .. को जग्गामा लगाईएको बाली तथा  
सम्पतिमा हुन गएको क्षति बापत निम्नानुसार मूल्याङ्कन गरि क्षतिपूर्ति उपलब्ध गर्ने गराउने  
सम्बन्धमा निम्न उल्लेखित विवरण साँचो भएको व्यहोरा प्रमाणित गरिएको छ ।

### क्षतिको विवरण

| क्र.स.           | विवरण   | इकाई      | परिमाण | दर | रकम रु |
|------------------|---|-----------|--------|----|--------|
| १                | क्षतिबाट प्रभावित जग्गा (लम्बाई ..<br>..... चौडाई .. .. )           | वर्गमिटर  |        | —  | —      |
| २                | जग्गामा लगाएको बालिको अनुमानित<br>क्षति (बालिको प्रकार .. ..<br>..) | किलो/पाथि |        |    |        |
| <b>जम्मा रकम</b> |   |           |        |    |        |

अक्षरपी रुपैयाँ : .. ..

बुझिलिनेको नाम : .. ..

हस्ताक्षर : .. ..

मिति :

यदि जग्गाधनी र क्षतिपूर्ति रकम बुझ्ने व्यक्ति फरक भएमा जग्गा धनीको समेत हस्ताक्षर गराउने

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