What is claimed is:

1. An image decoding method performed by a decoding apparatus, the method comprising:

obtaining indication information indicating whether at least one tool for a current block is applied at a picture level or a slice level;

determining in which header among a picture header and a slice header information related to the at least one tool is present based on the indication information;

parsing the information related to the at least one tool from the picture header or the slice header based on the determination; and

decoding the current block based on the information related to the at least one tool, wherein the indication information is included in a Picture Parameter Set (PPS).~~.~~

~~2. The image decoding method of claim 1, wherein the indication information is included in one of a Sequence Parameter Set (SPS) or a Picture Parameter Set (PPS).~~

3. The image decoding method of claim 1, wherein the indication information includes a first flag indicating whether signaling of a reference picture list is applied at a picture level or a slice level,

wherein based on a case that a value of the first flag is equal to 1, information related to the signaling of the reference picture list is present in the picture header, and

wherein based on a case that the value of the first flag is equal to 0, the information related to the signaling of the reference picture list is present in the slice header.

4. The image decoding method of claim 1, wherein the indication information includes a second flag indicating whether a Sample Adaptive Offset (SAO) procedure is applied at a picture level or a slice level,

wherein based on a case that a value of the second flag is equal to 1, information related to the SAO procedure is present in the picture header, and

wherein based on a case that the value of the second flag is equal to 0, the information related to the SAO procedure is present in the slice header.

5. The image decoding method of claim 1, wherein the indication information includes a third flag indicating whether an Adaptive Loop Filter (ALF) procedure is applied at a picture level or a slice level,

wherein based on a case that a value of the third flag is equal to 1, information related to the ALF procedure is present in the picture header, and

wherein based on a case that the value of the third flag is equal to 0, the information related to the ALF procedure is present in the slice header.

~~6. The image decoding method of claim 1, wherein the indication information includes at least one fourth flag indicating whether a deblocking procedure is applied at a picture level or a slice level,~~

~~wherein based on the at least one fourth flag, information related to the deblocking procedure is present in one of the picture header or the slice header.~~

~~7. The image decoding method of claim 6, wherein based on a case that a value of one of the at least one fourth flag is equal to 1, a flag indicating whether parameters related to the deblocking procedure are present in the picture header is present in the picture header, and~~

~~wherein based on a case that the value of one of the at least one fourth flag is equal to 0, the flag indicating whether the parameters related to the deblocking procedure are present in the picture header is not present in the picture header.~~

8. An image encoding method performed by an encoding apparatus, the method comprising:

generating indication information indicating whether at least one tool that is to be applied to a current block is applied at a picture level or a slice level;

generating information related to the at least one tool; and

encoding image information including the indication information and the information related to the at least one tool,

wherein the indication information indicates in which header among a picture header and a slice header the information related to the at least one tool is present, and

wherein the indication information is included in a Picture Parameter Set (PPS).~~.~~

~~9. The image encoding method of claim 8, wherein the indication information is included in one of a Sequence Parameter Set (SPS) or a Picture Parameter Set (PPS).~~

10. The image encoding method of claim 8, wherein the indication information includes a first flag indicating whether signaling of a reference picture list is applied at a picture level or a slice level,

wherein based on a case that a value of the first flag is equal to 1, information related to the signaling of the reference picture list is present in the picture header, and

wherein based on a case that the value of the first flag is equal to 0, the information related to the signaling of the reference picture list is present in the slice header.

11. The image encoding method of claim 8, wherein the indication information includes a second flag indicating whether a Sample Adaptive Offset (SAO) procedure is applied at a picture level or a slice level,

wherein based on a case that a value of the second flag is equal to 1, information related to the SAO procedure is present in the picture header, and

wherein based on a case that the value of the second flag is equal to 0, the information related to the SAO procedure is present in the slice header.

12. The image encoding method of claim 8, wherein the indication information includes a third flag indicating whether an Adaptive Loop Filter (ALF) procedure is applied at a picture level or a slice level,

wherein based on a case that a value of the third flag is equal to 1, information related to the ALF procedure is present in the picture header, and

wherein based on a case that the value of the third flag is equal to 0, the information related to the ALF procedure is present in the slice header.

~~13. The image encoding method of claim 8, wherein the indication information includes at least one fourth flag indicating whether a deblocking procedure is applied at a picture level or a slice level,~~

~~wherein based on the at least one fourth flag, the information related to the deblocking~~

~~procedure is present in one of the picture header and the slice header.~~

~~14. The image encoding method of claim 13, wherein based on a case that a value of one of the at least one fourth flag is equal to 1, a flag indicating whether parameters related to the deblocking procedure are present in the picture header is present in the picture header, and~~

~~wherein based on a case that a value of one of the at least one fourth flag is equal to 0, the flag indicating whether the parameters related to the deblocking procedure are present in the picture header is not present in the picture header.~~

~~15. A computer readable digital storage medium storing encoded image information causing an image decoding method to be performed by a decoding apparatus, wherein the image decoding method comprises:~~

~~obtaining indication information indicating whether at least one tool for a current block is applied at a picture level or a slice level;~~

~~determining in which header among a picture header and a slice header information related to the at least one tool is present;~~

~~parsing the information related to the at least one tool from the picture header or the slice header based on the determination; and~~

~~decoding the current block based on the information related to the at least one tool.~~

16. The image decoding method of claim 1, wherein based on a case that the information related to the at least one tool is determined to present in the picture header, the information related to the at least one tool is not present in slice header, and

wherein based on a case that the information related to the at least one tool is determined to present in the slice header, the information related to the at least one tool is not present in picture header.

17. The image decoding method of claim 1, wherein the indication information includes deblocking related flag information related to whether deblocking filter information is present in one of the picture header or the slice header.

18. The image decoding method of claim 17, wherein based on the deblocking related flag information, the deblocking filter information is present in the picture header, and

wherein based a case that the deblocking filter information is included in the picture header, the deblocking filter information is not included in the slice header.

19. The image decoding method of claim 17, wherein based on the deblocking related flag information, the deblocking filter information is present in the slice header, and

wherein based a case that the deblocking filter information is included in the slice header, the deblocking filter information is not included in the picture header.

20. The image encoding method of claim 8, wherein the indication information includes deblocking related flag information related to whether deblocking filter information is present in one of the picture header or the slice header.

21. The image encoding method of claim 20, wherein based on the deblocking related flag information, the deblocking filter information is present in the picture header, and

wherein based a case that the deblocking filter information is included in the picture header, the deblocking filter information is not included in the slice header.

22. A non-transitory computer readable storage medium storing a bitstream generated by a method, the method comprising:

generating indication information indicating whether at least one tool that is to be applied to a current block is applied at a picture level or a slice level;

generating information related to the at least one tool; and

generating the bitstream by encoding image information including the indication information and the information related to the at least one tool,

wherein the indication information indicates in which header among a picture header and a slice header the information related to the at least one tool is present, and

wherein the indication information is included in a Picture Parameter Set (PPS).